KINCROME®

PROFESSIONAL QUALITY TOOLS

RANGER PRO 12V AIR COMPRESSOR

- 169 LPM MAXIMUM
- 150PSI MAX WORKING PRESSURE
- 8M COILED AIRHOSE
- POWERFUL 560W MOTOR
- DEFLATOR FUNCTION

K13010

ED1 July 17

KINCROMEC
PROFESSIONAL QUALITY TOOLS

RANGER PRO 12V AIR COMPRESSOR

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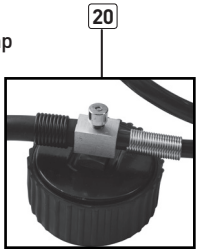
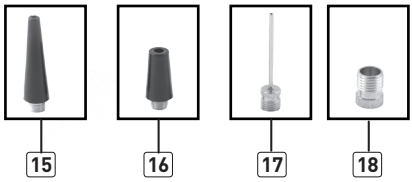
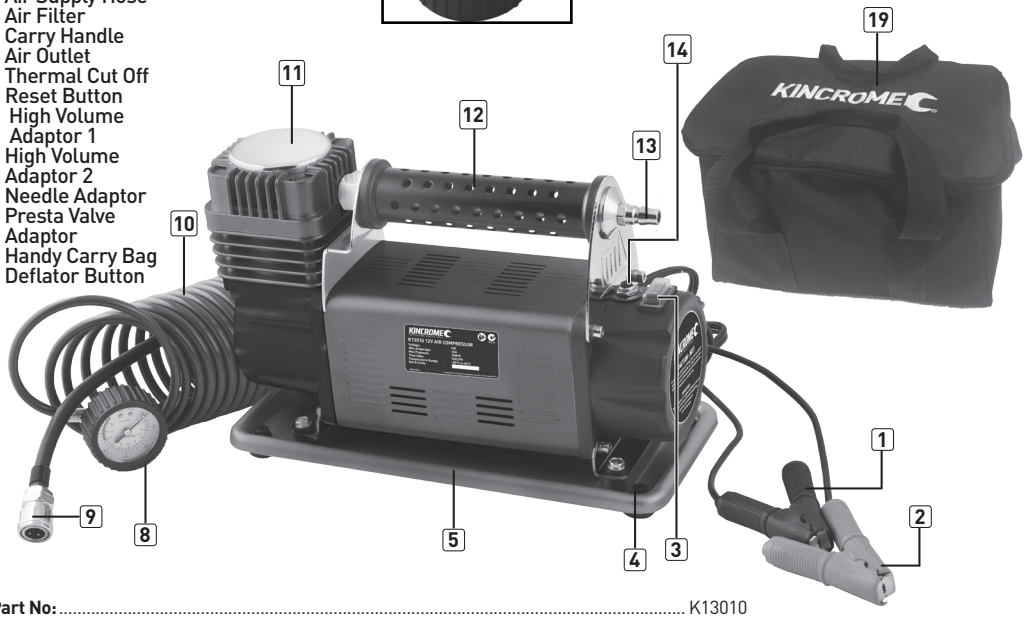
Know Your Product

1. BLACK Negative (-) Battery Terminal Clamp
2. RED Positive (+) Battery Terminal Clamp
3. ON/OFF Switch
4. Anti Vibration Feet
5. Base Plate
6. Brass Coupler (Not Shown)
7. Easy Grip Valve Locator (Not Shown)
8. Pressure Gauge (PSI)
9. Hose Quick Connect Fitting
10. Air Supply Hose
11. Air Filter
12. Carry Handle
13. Air Outlet
14. Thermal Cut Off Reset Button
15. High Volume Adaptor 1
16. High Volume Adaptor 2
17. Needle Adaptor
18. Presta Valve Adaptor
19. Handy Carry Bag
20. Deflator Button







Part No:	K13010
Description:	Ranger Pro 12V Air Compressor
Rated Power:	560W
Input Voltage:	12VDC
Max Current:	45A
Max Working Pressure:	150PSI
Maximum Air Flow:	169LPM
Temperature Range:	-50°C to 60°C
Thermal Cut-Off:	Yes
Cylinder Size:	60mm
Weight:	7.83kg
Base Dimensions:	325mm X 150mm X 15mm
Motor Construction:	Steel
Pump Construction:	Alloy
Air Delivery Hose Length:	8m
12V Power Lead Length:	2.6m

General Safety Warnings

Save all warnings and instructions for future reference.

WARNING! Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in serious injury.

1) Work Area Safety

a) **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.

b) **Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases or dust.** Power tools create sparks which may ignite the dust or fumes.

c) **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

d) **This appliance 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 use of the appliance by a person responsible for their safety.**

e) **Children should be supervised to ensure that they do not play with the appliance.**

2) Electrical Safety

a) **Power tool plugs must match the outlet. Never modify the plug in any way. Do not use any adapter plugs with earthed (grounded) power tools.** Unmodified plugs and matching outlets will reduce risk of electric shock.

b) **Avoid body contact with earthed or grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is earthed or grounded.

c) **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.

d) **Do not abuse the cord. Never use the cord for carrying, pulling or unplugging the power tool. Keep cord away from heat, oil, sharp edges or moving parts.** Damaged or entangled cords increase the risk of electric shock.

e) **When operating a power tool outdoors, use an extension cord suitable for outdoor use.** Use of a cord suitable for outdoor use reduces the risk of electric shock.

f) **If operating a power tool in a damp location is unavoidable, use a residual current device (RCD) protected supply.** Use of an RCD reduces the risk of electric shock.

3) Personal Safety

a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** A moment of inattention while operating power tools may result in serious personal injury.

b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.

c) **Prevent unintentional starting. Ensure the switch is in the off position before connecting to power source and/or battery pack, picking up or carrying the tool.** Carrying power tools with your finger on the switch or energising power tools that have the switch on invites accidents.

d) **Remove any adjusting key or wrench before turning the power tool on.** A wrench or a key left attached to a rotating part of the power tool may result in personal injury.

e) **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.

f) **Dress properly. Do not wear loose clothing or jewellery. Keep your hair, clothing and gloves away from moving parts.** Loose clothes, jewellery or long hair can be caught in moving parts.

g) **If devices are provided for the connection of dust extraction and collection facilities, ensure these are connected and properly used.** Use of dust collection can reduce dust-related hazards.

4) Power Tool Use And Care

a) Do not force the power tool. Use the correct power tool for your application. The correct power tool will do the job better and safer at the rate for which it was designed.

b) Do not use the power tool if the switch does not turn it on and off. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.

c) Disconnect the plug from the power source and/or the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.

d) Store idle power tools out of the reach of children and do not allow persons unfamiliar with the power tool or these instructions to operate the power tool. Power tools are dangerous in the hands of untrained users.

e) Maintain power tools. Check for misalignment or binding of moving parts, breakage of parts and any other condition that may affect the power tool's operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.

f) Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

g) Use the power tool, accessories and tool bits etc., in accordance with these instructions taking into account the working conditions and the work to be performed. Use of the power tool for operations different from those intended could result in a hazardous situation.

h) The electric motor has been designed for 230V and 240V only. Always check that the power supply corresponds to the voltage on the rating plate.

5) Service

a) Have your power tool serviced by a qualified repair person using only identical replacement parts. This will ensure that the safety of the power tool is maintained.

6) Additional Safety Instructions for 12V Air Compressors

a) When using the compressor, ensure you are parked in a safe, well lit location, off the road and with the hand brake engaged.

b) Ensure your personal safety is not at risk and never use the Automotive Compressor while the car is in motion.

c) Do not place the hose end against anypart of your body when turned on, as this may infuse air into your blood stream putting your health at serious risk.

d) Do not make any alterations to this Compressor. Only use the adaptors supplied with this product.

e) Use this product only in accordance with operation instructions included in this manual.

f) If the vehicle fuse is blown, only replace with identical rated fuse.

g) Inspect each part before use. Do not use if bent, broken, melted, burnt or if the unit appears to be damaged.

h) Check the tyre pressure before inflating. Never exceed the suggested pressure of the item being inflated. If suggested pressure is exceeded, the item being inflated may burst.

I) Do not bend or pinch the air hose while the Compressor is in use.

j) It is not suggested that the Compressor work continuously for more than 30 minutes. If 30 minutes of use has been reached, turn it off and let it cool for 8 minutes before using again.

k) If the Compressor is making abnormal sounds or its temperature if quite high, turn off the power straight away and let it cool for at least 10 minutes before trying again. Improper use may result in damage of the Compressor.

l) Do not leave unattended and operating. Keep out of reach of children.

m) Put the Compressor in a dry place if it is not in use for an extended period of time.

n) Keep the Compressor away from flammable liquid or gas. Do not allow the Compressor to become wet.

o) Never put the connector and adaptors into your mouth, ear or eye. They are not toys.

7) Electrical Safety

WARNING! When using mains-powered tools, basic safety precautions, including the following, should always be followed to reduce risk of fire, electric shock, personal injury and material damage.

a) Read the whole manual carefully and make sure you know how to switch the tool off in an emergency, before operating the tool.

b) Save these instructions and other documents supplied with this tool for future reference.

c) The electric motor has been designed for 12V only. Always check that the power supply corresponds to the voltage on the rating plate.

d) If the supply cord is damaged, it must be replaced by an electrician or a power tool repairer in order to avoid a hazard.

Description of Symbols

The following symbols could be shown on the tool:

	Read the instruction manual before use. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.		Risk of Explosion
	Hot Surface, Contact with skin may cause burns. DO NOT TOUCH.		Warning
	Wear Ear Protection		Wear Eye Protection
PSI	Pounds per square inch	V	Volts
A	Amps	W	Watts
DC	Direct Current		Electrical Emissions Conformity (EMC)

Unpacking

Unpack all the components from the box.

When unpacking the K13010 12V Air Compressor, carefully inspect for any damage that may have occurred during transit.

Check for loose parts, missing parts or damaged parts.

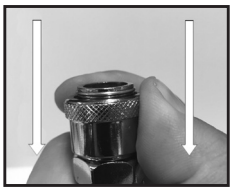
1. Ensure all packaging materials are disposed of as per your local council guide lines.

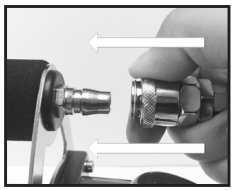
Assembly

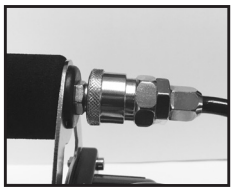
Connecting the Air Supply Hose (10) to the 12V Air Compressor

1. Remove all parts from within the Handy Carry Bag (19).
2. Gather the Air Supply Hose (10) and pull the Hose Quick Connect Fitting (9) backwards (Fig 1 & 2).
3. Allign the Air Supply Hose (10), Hose Quick Connect Fitting (9) with the 12V Air Compressor's Air Outlet (13), fit and release (Fig 3).
4. The Air Supply Hose (10) will now be securely attached to your 12V Air Compressor (Fig 4).

(Fig 1)


(Fig 2)

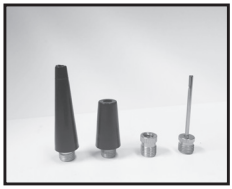

(Fig 3)


(Fig 4)

Connecting/Disconnecting Adaptors (15, 16, 17 or 18) to the Air Supply Hose (10)

WARNING! Ensure the compressor is OFF and disconnected from the power supply before changing adaptors.

1. Gather the accessory you wish to attach your Air Supply Hose (10).
2. Hold the Easy Grip Valve Locator (7) securely and simply thread the adaptor onto the Brass Coupler (6), thread clockwise.
3. Your 12V Air Compressor is now ready to blow up sporting equipment, air matresses or bike tyres.
4. Turn the recently installed adaptor (15, 16, 17 or 18) anti-clockwise to remove.



Operation

WARNING: Only inflate products to the manufacturers specifications. Vehicle tyre pressure can genrally be found in the vehicles handbook, on the door pillar or on the inside of the fuel filler cap.

WARNING! Ensure the compressor is OFF and disconnected from the power supply before changing adaptors.

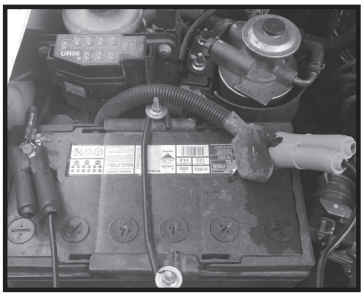
WARNING! Avoid inflating objects above the recommended pressure. This may lead to damage and/or injuries.

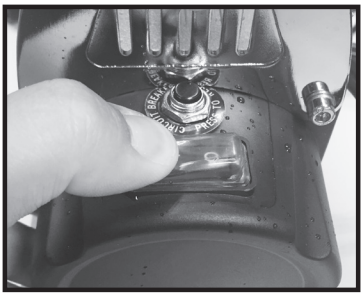
Turning ON/OFF the 12V Air Compressor

Note: To achieve optimal performance when operating your 12V Air Compressor, your vehicle's engine should be running. This also ensures that your cars battery does not discharge while using your 12V Air Compressor.

Caution: Identify correct terminal connections before attempting to power the 12V Air Compressor.

1. Connect the Battery Terminal Clamps (1 & 2) to your vehicle's battery. Ensure that the BLACK Negative (-) Battery Terminal Clamp (1) is connect to the negative terminal first (Fig 9).
2. Followed by connecting the RED Positive (+) Battery Terminal Clamp (2) to the positive terminal of your vehicle's battery (Fig 9).
3. Press the ON/OFF Switch (3) into the "I" to turn the unit ON (Fig 10).
4. Press the ON/OFF Switch (3) into the "0" position to turn the unit OFF (Fig 10).

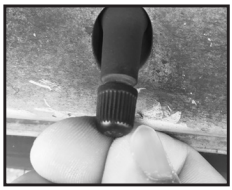

(Fig 9)


(Fig 10)

Pumping up Tyres (Schrader Valves)

1. Identify the required pressure for the tyre to be inflated, this is usually displayed on the tyre wall (Fig 11).
2. Remove the desired tyres valve cap from your tyre (Fig 12).
3. Follow the previous instructions to turn ON the Ranger Pro 12V Air Compressor.
4. While firmly holding the Easy Grip Valve Locator (7), screw the Brass Coupler (6) directly onto the vehicles tyres valve (Fig 13).
5. Once connected simply turn ON the compressor via the ON/OFF Switch (3). The tyre will begin inflating.
6. When the Pressure Gauge (8) reaches your tyre's pressure rating (Fig 14), turn the 12V Air Compressor OFF via the ON/OFF Switch (3) and remove the Brass Coupler (6) from the tyre's valve.
7. Reinstall valve cap removed in step "2" (Fig 12).

(Fig 11)


(Fig 12)

(Fig 13)

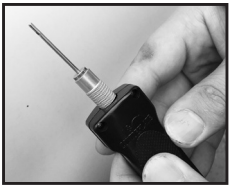
(Fig 14)

Pumping up Sporting Equipment

WARNING: Beware not to over inflate sporting equipment, refer to the pressure rating of the equipment usually found by the valve

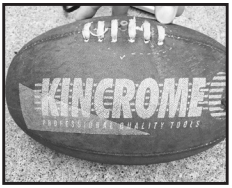
Note: It is recommended that a form of lubricant (silicon oil or vasonline) is applied to the needle before inserting to football or soccerball bladders.

1. Ensure that the 12V Air Compressor has been disconnected from the power source before installing/unistalling adaptors.
2. Follow the instructions for "Connecting/Disconnecting Adaptors (15, 16, 17 or 18) to the Air Supply Hose (10)" located on page 5 to install the Needle Adaptor (17).
3. With the Needle Adaptor (17) installed into your Brass Coupler (6) (Fig 15), align and insert the Needle Adaptor (17) into the sporting equipment you wish to inflate (Fig 16 & Fig 17).
4. Follow the instructions for"Turning ON/OFF the 12V Air Compressor", turn ON the 12V Air Compressor.
5. Remove the Needle Adaptor (17) once the item is fully inflated. Continue to inflate other desired equipment (Fig 17).
6. Once all equipment has been inflated (Fig 18), turn the 12V Air Compressor OFF via the ON/OFF Switch (3) & disconnect the Battery Terminal Clamps (1 & 2) from the vehicle's battery.


(Fig 15)

(Fig 16)

(Fig 17)



(Fig 18)

Pumping up High Volume Inflatables

1. Ensure that the 12V Air Compressor has been disconnected from the power source before installing/unistalling adaptors.
2. Follow the instructions for "Connecting/Disconnecting Adaptors (15,16, 17 or 18) to the Air Supply Hose (10)" located on page 5 to install the appropriate High Volume Adaptor (15 or 16) (Fig 19).
3. With the desired High Volume Adaptor (15 or 16) installed on your Brass Coupler (6), insert the connected adaptor into the inflatable item (Fig 20).
4. Follow the instructions for"Turning ON/OFF the 12V Air Compressor", turn ON the 12V Air Compressor.
5. Remove the High Volume Adaptor (15 or 16) once the item is fully inflated. Continue to inflate other items you may wish to inflate (Fig 21).
6. Once all items have been inflated, turn the 12V Air Compressor OFF via the ON/OFF Switch (3) & disconnect the Battery Terminal Clamps (1 and 2) from the vehicles battery.

(Fig 19)

(Fig 20)

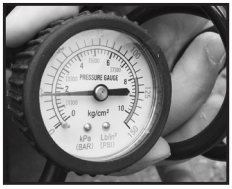
(Fig 21)

Pumping up Bike Tyres (Presta Adaptor)

1. Identify the required pressure for the tyre to be inflated, this is usually displayed by the safety warning located on the tyre.
2. Remove the desired tyres Presta cap.
3. Ensure that the 12V Air Compressor has been disconnected from the power source before installing/unistalling adaptors.
4. Follow the instructions for "Connecting/Disconnecting Adaptors (15, 16, 17 or 18) to the Coiled Air Hose (10)" located on page 5 to install the Presta Valve Adaptor (18).
5. With the Presta Valve Adaptor (18) installed into your Brass Coupler (6) (Fig 22), screw it onto the bicycle's tyre Presta Valve (Fig 23).
6. Once connected, follow the instructions for"Turning ON/OFF the 12V Air Compressor", turn ON the 12V Air Compressor.
7. When the Pressure Gauge (8) reaches your tyre pressure rating (Fig 24), turn the 12V Air Compressor OFF via the ON/OFF Switch (3) and remove the Presta Adaptor (18) from the bicycles Presta valve.
8. Reinstall Presta valve cap removed in step two.

(Fig 22)

(Fig 23)



(Fig 24)

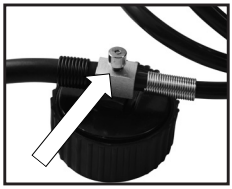
Using the Deflator Button (20).

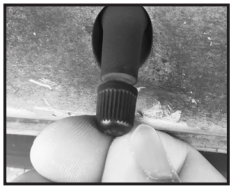
Note: Please note the Deflator Button (20) will assist with deflation of tyres and various other inflatable objects.

Note: It is recommended that you deflate your tyres for driving on sand, mud or snow to increase the surface are that's in contact with the terrain and improve traction. When the off-road fun is over, you'll need to re-inflate your tyres to for safe handling on normal roads, and to minimise damage through wear and overheating.

1. To deflate a vehicles tyre , simply remove the tyre valve cap and connect the Brass Coupler (6) to the tyre valve (Fig 25).
2. Once connected, simply press the Deflator Button (20) located at the rear of the Pressure Gauge (8) (Fig 26).
3. Deflate your tyre to the desired pressure, remove the Brass Coupler (6) from the tyre valve and reinstall tyre valve cap (Fig 27).

(Fig 25)


(Fig 26)


(Fig 27)

Trouble Shooting

Problem	Cause	Solution
The Compressor will not start.	Compressor not connected to power.	**a)** Connect the 12V Battery Terminal Clamps (1 & 2) to a 12VDC Battery & earth ground point. **b)** Battery terminals have poor connection, clean and re-fit battery terminal clamps
	Insufficent power supply.	Try another battery, as it may be flat or faulty.
	Thermal cut-out activated.	Wait 20-30 minutes for the 12V Air Compressor to cool down and press the Thermal Overload Cut Off Button (14).
The Compressor starts, but there is no pressure.	Loose or damaged hose connection.	Inspect the 12V Air Compressor Air Supply Hose (10) and Adaptors (15,16,17 & 18). Replace if necessary.
	The seals are damaged.	Contact Kincrome Customer Service on 1300 657 528 .

Cleaning & Maintenance

WARNING! Before cleaning your 12V Air Compressor or carrying out any maintenance procedure, ensure the 12V Air Compressor is switched OFF and disconnected from the power supply.

WARNING! Never use solvents or other harsh chemicals for cleaning the non-metallic parts of the tool. These chemicals may weaken the plastic materials used in these parts. Use a cloth dampened only with water and mild soap. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

WARNING! If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

WARNING! Wait until the 12V Air Compressor has completely cooled down to prevent burns.

a) Keep the ventilation vents of the 12V Air Compressor clean at all times, if possible, prevent foreign matter from entering the vents.

b) After each use, blow air through the 12V Air Compressor housing to ensure it is free from all dust particles which may have built up. Build up of dust and particles may cause the 12V Air Compressor to overheat and fail.

c) If the enclosure of the 12V Air Compressor requires cleaning do not use solvents, as they may weaken or damage plastic comoponents. Use a moist soft cloth to clean the 12V Air Compressor. Never let any liquid get inside the 12V Air Compressor, never immerse any part of the 12V Air Compressor into liquids.

Spare Parts

For a full list of available spare parts for this item visit the Kincrome website kincrome.com.au or alternatively contact Kincrome Customer Service.

Australian Office Contact Details

Phone: 1300 657 528

Fax: 1300 556 005

Email: enquiries@kincrome.com.au

Website: www.kincrome.com.au

UK Office Contact Details

Mail: Kincrome UK Ltd PO Box 646 Eastleigh SO50 0NA

Email: enquiries@kincrome.co.uk

Website: www.kincrome.co.uk

Caring For The Environment

When a tool is no longer usable it should not be disposed of with household waste, but in an environmentally friendly way. Please recycle where facilities exist. Check with your local council authority for recycling advice.

Recycling packaging reduces the need for landfill and raw materials.

Reuse of recycled material decreases pollution in the environment. Please recycle packaging where facilities exist. Check with your local council authority for recycling advice.

Notes:

Warranty

12 MONTH WARRANTY

Warranty given by Kincrome Australia Pty Ltd of 3 Lakeview Drive, Caribbean Park, Scoresby, Victoria (Tel 1300 657 528). The applicable warranty period (12 months) commences on the date that the product is purchased. If this product has materials or workmanship defects (other than defects caused by abnormal or non warranted use) you can, at your cost, send the product to place of purchase, an authorised Kincrome service agent or one of Kincromes addresses for repair or replacement. Your rights under this warranty are in addition to any other rights you have under the Australian Consumer Law or other applicable laws. 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 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. For further details please visit www.kincrome.com.au or call us. Due to minor changes in design or manufacture, the product you purchase may sometimes differ from the one shown on the packaging.

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www.kincrome.com.au