



Automatic digital air compressor + Inflator & Deflator and LED light RAC640

Caution

Before operating this compressor, please read these instructions and retain for future reference.

Read Carefully

Improper use of the compressor can cause damage to property and possibly harm the user. When using the compressor ensure the vehicle is parked in a safe location, off the road with the vehicle handbrake on and where your personal safety is not at risk.

Power Supply

- Power required 12 volts DC rated at 10 amps.

Fuse Replacement

- The fuse is located in the 12v DC plug. Unscrew the end of the DC plug & extract the 10amp fuse taking care to note the order of components. Check the fuse and replace if necessary with an equivalent 10amp fuse.

Cleaning

- Only clean the compressor using a clean dry cloth.
- Do not use cleaning products.
- Ensure the compressor is clear of any dust or other debris before connection.

Caution

- Inspect before each use.
- Do not use the compressor when the vehicle is moving.
- Do not leave connected to 12v DC socket unattended.
- Do not put the compressor on or near sources of direct heat or expose to direct sunlight
- Do not operate the compressor in or around flammable environments.
- Do not kink or block the air hose while the compressor is working.
- Do not use the compressor if bent, broken, melted, burnt, wet or any of the components are damaged.
- Do not use the air compressor on high pressure tyres such as those used on commercial vehicles, agricultural or specialist vehicles.
- Only use the adapters supplied with the device.
- The compressor is not waterproof.
- Ensure cables and hoses connected to the compressor do not interfere in the safe operation of the vehicle.
- When not in use store in a cool, dry dust free environment in the nylon bag provided.
- This compressor is not designed for continuous use. Operation over an extended period of time will overheat the unit and damage the compressor. It should not be used continuously for more than 30 minutes. After 30 minutes, turn it off and let it cool for 15 minutes before resuming operation.
- If the compressor is making an abnormal sound, or the temperature of the unit is too high, turn the power off immediately and let it cool for at least 30 minutes before resuming operation.
- The compressor contains no user serviceable parts – Do not open.

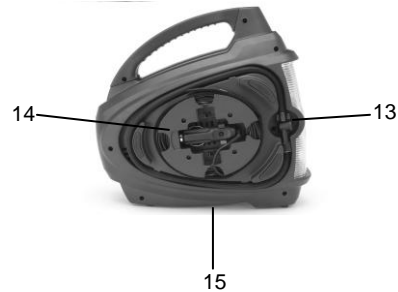
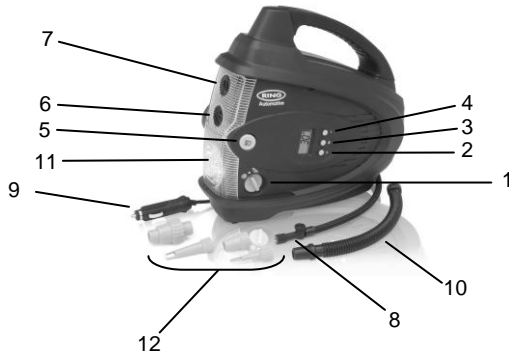
Tyre Checks

- Check tyres on a monthly basis.
- Incorrect inflation shortens the life and performance of your tyres, increasing fuel consumption and jeopardising safety.

Control lay out

- 1) Compressor / Inflator selection power switch
- 2) + push & hold button to increase preset pressure
- 3) M push to select pressure measurement. PSI, KPA or BAR
- 4) – push & hold to decrease preset pressure
- 5) LED light switch on/off button
- 6) Inflation outlet +
- 7) Deflation outlet -
- 8) Air hose & valve connector with deflation button

- 9) Fused 12v DC plug
- 10) Inflator / deflator pipe
- 11) LED light
- 12) 7 x Valve adapters
- 13) Air hose storage
- 14) 12v DC power cable storage
- 15) Items 10 & 12 are stored in the compartment in underneath the compressor



Compressor Operation – preset the automatic pressure gauge:-

Vehicle tyre inflation



Fig 1



Fig 2

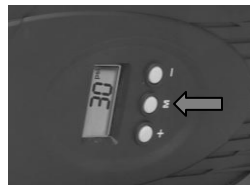


Fig 3

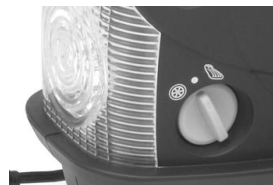


Fig 4



Fig 5

- Remove the Velcro retaining strap and uncoil all of the power cable on the rear of the compressor, ensuring all the cable is unwound. Insert the 12v DC plug into the 12v socket. (Fig 1)
- Remove the dust cap from the tyre valve and store in a safe place.
- Carefully pull out the air hose from the rear of the compressor. Screw the valve connector clockwise onto the tyre valve. Ensure the valve is correctly connected but do not over tighten. (Fig 2)
- Press M button to select pressure gauge measurement from Bar, KPA, Psi (Fig 3)

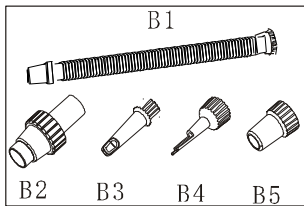
Caution: Only inflate product to the manufacturer's specifications. Vehicle tyre pressures can generally be found in the handbook, on the door pillar or on the inside of the fuel filler cap.

- The LCD display will show the current tyre pressure.
- Hold + or – button for approx 5 seconds until LCD display flashes (Fig 3). Set the required pressure using the + or – buttons then wait 2-3 seconds. The LCD will display the current pressure value to which the tyre will be inflated.
- Turn the yellow power switch anti-clockwise to the tyre symbol for the compressor to start (Fig 4). When the pressure gauge reaches the required value the compressor will **automatically** switch off and the LCD display will show "OFF".
- If accidentally over inflated, deflate the tyre by depressing the deflation button on the air hose (Fig 5). To check the pressure release the button, wait 2 seconds then check the digital display for pressure reading. Repeat until the desired pressure is reached.

- Unscrew the valve connector and reconnect to the next tyre. If the required pressure is the same press the M button for the compressor to automatically inflate. If the pressure is different, re set the compressor using the + and – buttons.
- The ON/OFF button can be used to override the preset pressure value if required.
- Remove the valve connector from the tyre valve.
- Replace the tyre valve dust cap.
- Note:- The gauge on this compressor is for guidance only. Check pressure with a known accurate gauge.
- The compressor can be used without the engine running but this will drain the power from the battery.

Inflator / Deflator operation

- Remove the Velcro retaining strap and uncoil all of the power cable on the rear of the compressor. Ensuring all the cable is unwound. Insert the 12v DC plug into the 12v socket. (Fig 1)
- Remove the inflator/deflator pipe and adapters from the compartment underneath the compressor.
- Select the suitable adapter:



- B1 - Inflator / Deflator pipe
- B2 - Short Inflator / Deflator pipe
- B3 - Large inflatable adaptor (can be used with either B1 or B2 & B5)
- B4 - Small inflatable adaptor (can be used with either B1 or B2 & B5)
- B5 - Adaptor for B3 & B4 (when connecting to B2)

- Select the inflation + outlet or the deflation - inlet and push in either the B1 or B2 pipe.
- Insert the connector adapter into the appropriate inlet of the inflatable
- Turn the yellow power switch clockwise to the inflatable symbol for the inflator to start (Fig 4).

Caution: Only inflate product to the manufactures specifications. Continuously monitor the item checking for firmness.

- Caution should be taken not to over inflate.
- Turn the yellow power switch back to the centre position to turn off.
- Remove adaptor from the inflatable and remove adaptor from the connector.

N.B. The pressure gauge does not work in conjunction with the inflator / deflator function.

Conversion Chart

psi	KPa	BAR	psi	KPa	BAR
10	68.9	0.69	70	482.6	4.83
20	137.9	1.38	80	551.6	5.52
30	206.8	2.07	90	620.5	6.21
40	275.8	2.76	100	689.5	6.90
50	344.7	3.45	125	861.9	8.62

Specification Table

Power supply	12v DC
Max Amperage	10 amps
Pressure measurement range	0 – 100 psi
Power cable length	3m
Air hose length	530mm
Operation temperature	-20°C to +60°C

CE approved



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