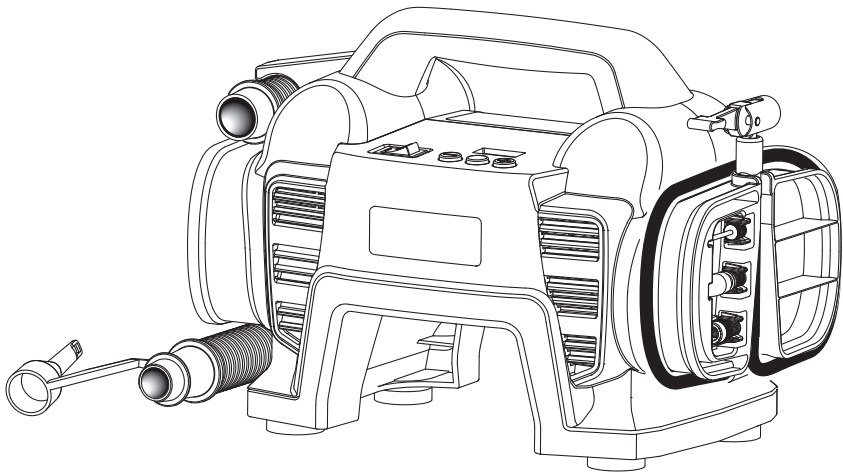


# RYOBI®

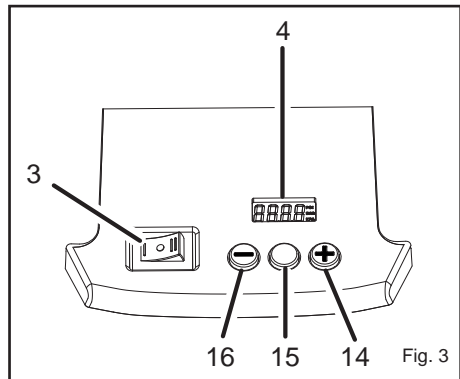
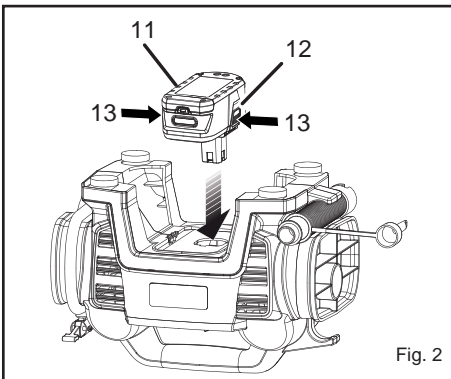
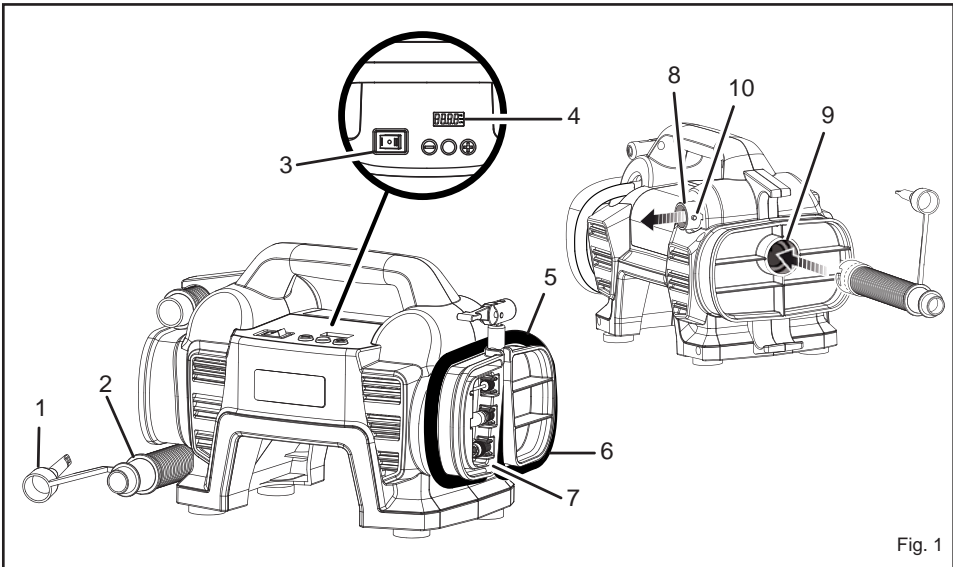
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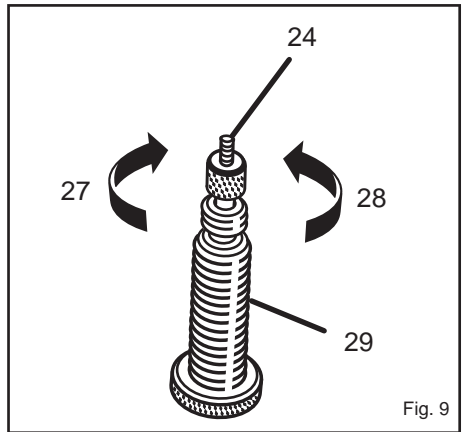
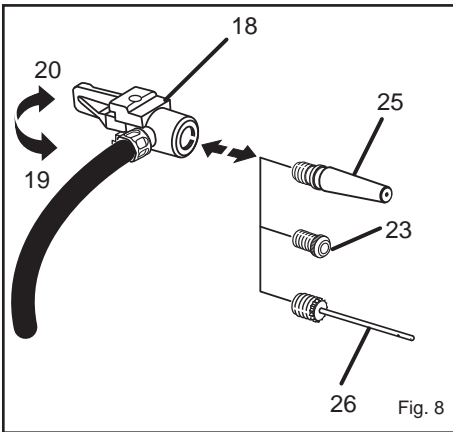
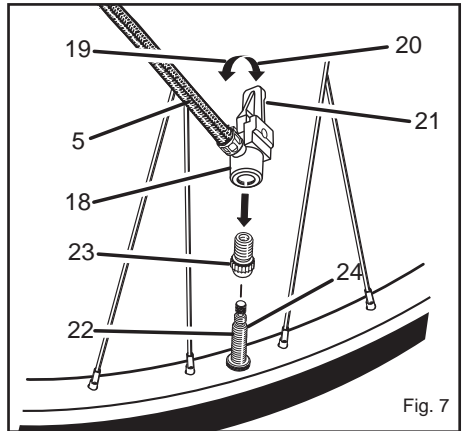
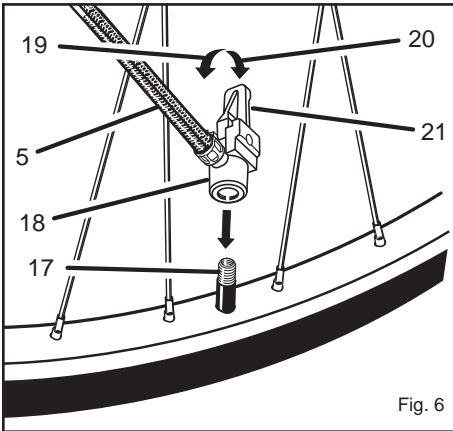
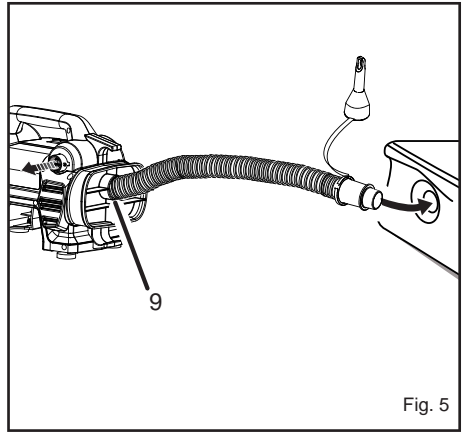
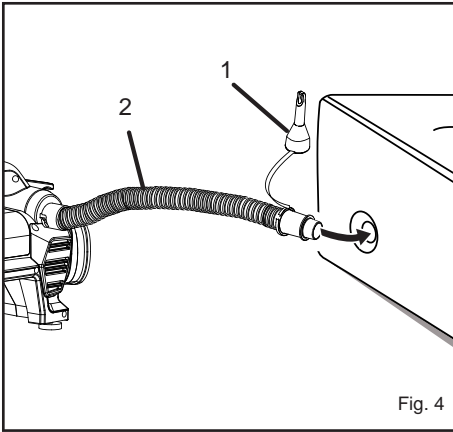
**18 VOLT INFLATOR/DEFLATOR  
OWNER'S OPERATING MANUAL  
ORIGINAL INSTRUCTIONS**

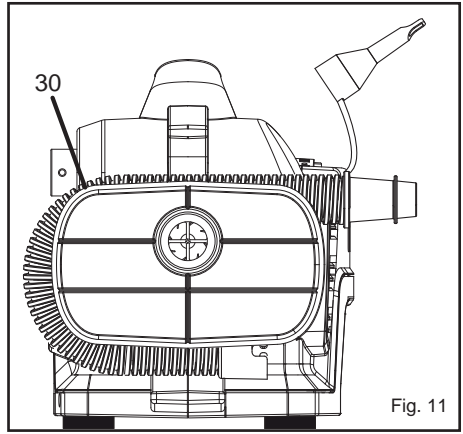
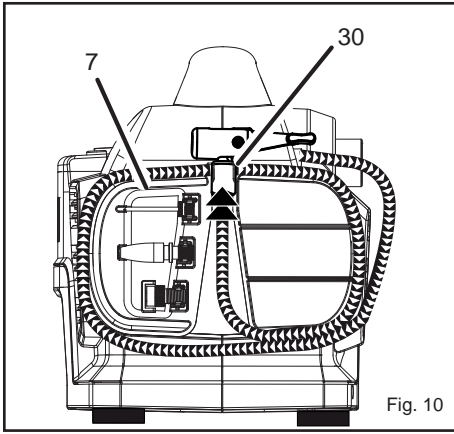


## DESCRIPTION

1. Pinch valve adaptor
2. Low pressure hose
3. Power switch
4. Digital gauge
5. High pressure hose
6. Hose storage area
7. Accessory storage
8. Inflator
9. Deflator
10. Pin
11. Battery pack
12. Latches
13. Depress latches to release battery pack
14. (+) Button
15. Mode button
16. (-) Button
17. Valve stem
18. Air chuck
19. To lock
20. To unlock
21. Air chuck clamp
22. Presta valve
23. Presta valve adaptor
24. Locking nut
25. Tapered adaptor
26. Sport ball needle
27. To tighten
28. To loosen
29. Presta valve stem
30. Hose wrap







## **Important!**

It is essential that you read the instructions in this manual before operating this machine.

Subject to technical modifications.

## English

### GENERAL POWER TOOL SAFETY WARNINGS

#### WARNING

Read all safety warnings and all instructions. Failure to follow the warnings and instructions may result in electric shock, fire and/or serious injury.

Save all warnings and instructions for future reference. The term “power tool” in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

#### WORK AREA SAFETY

- Keep work area clean and well lit. Cluttered or dark areas invite accidents.
- 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.
- Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control.

#### ELECTRICAL SAFETY

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

#### PERSONAL SAFETY

- 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.

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

#### POWER TOOL USE AND CARE

- 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.
- 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.
- 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.
- 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.
- 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.

## English

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

### BATTERY TOOL USE AND CARE

- Recharge only with the charger specified by the manufacturer. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- Use power tools only with specifically designated battery packs. Use of any other battery packs may create a risk of injury and fire.
- When battery pack is not in use, keep it away from other metal objects, like paper clips, coins, keys, nails, screws or other small metal objects, that can make a connection from one terminal to another. Shorting the battery terminals together may cause burns or a fire.
- Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact accidentally occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

### SERVICE

- 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.

### SPECIFIC SAFETY RULES

- Check hoses for weak or worn condition before each use, making certain all connections are secure. Do not use if defect is found. Purchase a new hose or notify an authorized service center for examination or repair.
- Release all pressures within the system slowly. Dust and debris may be harmful.
- Never point any inflator toward yourself or others.
- Do not exceed the pressure rating of any component in the system.
- Protect material lines and air lines from damage or puncture. Keep hose and power cord away from sharp objects, chemical spills, oil, solvents, and wet floors.
- Do not preset inflator to result in output pressure greater than marked maximum pressure of item to be inflated. Do not use at pressure greater than 150 PSI.
- Inspect unit for cracks, pin holes, or other imperfections that could cause inflator to become unsafe. Never cut

or drill holes in the inflator.

- Make sure the hose is free of obstructions or snags. Entangled or snarled hoses can cause loss of balance or footing and may become damaged.
- Use the inflator only for its intended use. Do not alter or modify the unit from the original design or function.
- Always be aware that misuse and improper handling of this inflator can cause injury to yourself and others.
- Do not continue to use inflator or hose that leaks air or does not function properly.
- Do not attempt to pull or carry the inflator by the hoses.
- Always follow all safety rules recommended by the manufacturer of your inflator, in addition to all safety rules for the inflator. Following this rule will reduce the risk of serious personal injury.
- Do not use inflator as a breathing device.
- Never direct a jet of compressed air toward people or animals. Take care not to blow dust and dirt towards yourself or others. Following this rule will reduce the risk of serious injury.
- Do not use this inflator to spray chemicals. Your lungs can be damaged by inhaling toxic fumes.
- Carefully monitor objects during inflation.
- To reduce the risk of over inflation, use a reliable pressure gauge periodically during inflation. The pressure gauge on the inflator is for reference only and is therefore not binding for exact values.
- Never leave the inflator unattended during inflation.
- Allow pump to cool for 10 minutes after each 10 minutes of continuous use. Never block the inflating or deflating outlets while operating.

### SPECIFICATIONS

Voltage	18 V
High pressure hose length	711 mm
Low pressure hose length	356 mm
Maximum pressure	150 PSI, 10.3 BAR, 1030 kPa
Weight	1.27 kg

## English

Model	Battery pack (not included)	Compatible charger (not included)
Lithium-Ion	BPL-1820 BPL-1815 BPL-1820PK	BCL1800 BCS618 BCL1418 BCL14181H BCL14183H
Nickel Cadmium	ABP-1813 ABP-1815 ABP1801 ABP1802 ABP1801G ABP1802G	ACR1800 ACR1800G BCL1800 BCS618 BCL1418 BCL14181H BCL14183H

### OPERATION

#### **⚠ WARNING**

Do not use this product if it is not completely assembled or if any parts appear to be missing or damaged. Use of a product that is not properly and completely assembled could result in serious personal injury.

#### **⚠ WARNING**

Do not attempt to modify this inflator or create accessories not recommended for use with this inflator. Any such alteration or modification is misuse and could result in a hazardous condition leading to possible serious personal injury.

#### **⚠ WARNING**

Do not allow familiarity with this product to make you careless. Remember that a careless fraction of a second is sufficient to inflict serious injury.

#### **⚠ WARNING**

Always wear eye protection with side shields marked to comply with ANSI Z87.1. Failure to do so could result in objects being thrown into your eyes resulting in possible serious injury.

#### **⚠ WARNING**

Do not use any attachments or accessories not recommended by the manufacturer of this tool. The use of attachments or accessories not recommended can result in serious personal injury.

#### **⚠ WARNING**

Do not leave items to be inflated unattended while inflator is in use. These items can burst and could cause serious injury.

#### **⚠ CAUTION**

The inflator is not designed for continuous use. For every ten minutes of inflator use, ten minutes of cool down time are required.

#### **⚠ WARNING**

Since the pressure gauge is not calibrated, and is therefore not binding for exact values, tire pressure must be checked using a reliable measuring device before driving a vehicle with vehicle tires inflated with the inflator. Driving a vehicle with improperly inflated tires could result in serious injury.

#### **⚠ CAUTION**

The inflator is capable of inflating to 150 PSI, 10.3 BAR, or 1030 kPa. To avoid over inflation, carefully follow instructions on items to be inflated. To avoid product damage, never exceed recommended pressures.

### APPLICATIONS

You may use this tool for the purposes listed below.

- Inflating high pressure items like motorcycle, car, and bicycle tires.
- Inflating and deflating low pressure items like air mattresses, rafts and floats.

NOTE: The tool is not designed for commercial application.

This product will accept Ryobi One+ 18 V lithium-ion battery packs and Ryobi One+ 18 V nickel-cadmium battery packs.

For complete charging instructions, refer to the Operator's Manuals for your Ryobi One+ battery pack and charger models.

### BATTERY PROTECTION FEATURES

Ryobi lithium-ion batteries are designed with features that protect the lithium-ion cells and maximize battery life.

If the product stops during use, the battery needs to be recharged.

### TO INSTALL/REMOVE BATTERY PACK

See figure 2



## English

### WARNING

Always remove battery pack from your tool when you are assembling parts, making adjustments, cleaning, or when not in use. Removing battery pack will prevent accidental starting that could cause serious personal injury.

#### To install:

- Place the battery pack in the tool. Align the raised rib on the battery pack with groove in the battery port.
- Make sure the latches on each side of the battery pack snap in place and that the battery pack is secured in the tool before beginning operation.

#### To remove:

Depress the latches on both sides of the battery pack to release the battery pack and remove it from the tool.

### WARNING

Improperly attached hoses or accessories can become detached under pressure and cause serious injury. Possible air leaks can cause faulty pressure readings. Make sure all connections are tightly secured.

#### DUAL HOSES

The inflator has two hoses for two types of inflation. The high pressure hose is for inflating high pressure items like tires and sports balls. The low pressure hose is designed for inflating or deflating low pressure, high volume items like air rafts, mattresses, and floats.

NOTE: Pressure gauge and preset features are relative only to high pressure hose applications.

#### POWER SWITCH

Place the power switch in the (I) position to turn on the low pressure pump or the (II) position to turn on the high pressure pump. Place the switch in the (O) or center position to stop all pump operations.

#### DIGITAL GAUGE

See figure 3

The digital gauge is multifunctional serving as a pressure gauge, monitoring the amount of pressure being applied to the item being inflated, and changing air pressure measurement units from PSI to BAR to kPa.

- Press the mode button to turn on the digital gauge.

NOTE: Make sure digital gauge is set at 0 before use. If gauge reads "Err" or needs resetting, press and hold

the mode button for 4-7 seconds.

- Select desired measurement unit (PSI, BAR, kPa) by pressing and releasing the mode button. Press once for PSI, twice for BAR, and three times for kPa.

NOTE: After preset pressure has been set, pressure setting stays in the gauge memory for 180 seconds. To recall the previous pressure setting for up to 180 seconds after inflation, press the (+) or (-) button. To reset preset pressure, press and hold the mode button.

- Position air chuck clamp in the unlock position perpendicular to the high pressure air hose.
- Place air chuck on valve stem.
- Push air chuck down so that the threaded section of the valve stem is inside the air chuck.
- Clamp the end of the air chuck down onto the valve stem by pressing air chuck clamp down until it stops or is parallel with the high pressure air hose.

NOTE: The pressure readout on the gauge while inflating is a measurement of the fluctuating pressure between the item and the high pressure hose. To get an accurate reading, stop inflating and follow above instructions for reading the air pressure.

#### AUTOMATIC SHUTOFF

The digital gauge will remain on for up to five minutes. To manually shut off, press and hold the mode button until the light turns off then release the button.

#### INFLATING WITH THE LOW PRESSURE HOSE

See figure 4

The low pressure hose is used to inflate low pressure items, such as air mattresses, pools, and floats.

NOTE: A pinch valve adaptor comes as part of the small inflatable nozzle assembly that is attached to the end of the low pressure hose. The pinch valve adaptor is used for items that have a smaller air opening or pinch valve. Insert pinch valve adaptor into pinch valve, ensuring that the tip of the adaptor is inserted past the inner "flap" inside the valve. When inflating, ensure that the tip is not blocked during inflation.

- Align the slots in the hose with the pins on the sides of the inflator.
- Turn the hose clockwise as far as it will turn.
- Press the low pressure (I) switch to start inflating.
- When the desired pressure is reached, turn the switch off.
- Remove the hose by turning it counterclockwise as far as it will turn and removing it from the inflator.
- Store the hose in hose wrap on the left side of the product.

## ⚠ CAUTION

Always leave low pressure hose free of obstructions and with pinch valve adaptor off when not in use. Overheating could occur low pressure hose is blocked.

### DEFLATING WITH THE LOW PRESSURE HOSE

See figure 5

The low pressure hose, when placed in the deflator, can be used to remove air from inflated items.

- Place the hose inside the deflator.
- Press the low pressure (I) switch to start deflating.
- When the item has been deflated, turn the switch off.
- Remove the hose by pulling it from the deflator.
- Store the hose in hose wrap on the left side of the product.

### INFLATING WITH THE HIGH PRESSURE HOSE

See figure 6

The air chuck on the high pressure hose can be used without adaptors to inflate tires or with any application that has a valve stem that fits the air chuck opening.

NOTE: When inflating items of 10 PSI, .69 BAR, 69 kPa or less, inflate in short bursts and check after each burst by feel or with a calibrated measuring device to determine accurate pressure.

- Press mode button to activate.
- Set desired pressure.
- Place air chuck on valve stem and lock in place.
- Press the high pressure (II) switch to start inflating.
- When the desired pressure is reached, turn the switch off.
- Remove the hose and store in hose wrap on the right side of the product.
- Press and hold the mode button to deactivate the display.

NOTE: Stand 10 feet away from item being inflated.

### INFLATING WITH THE HIGH PRESSURE HOSE AND ACCESSORIES

See figures 7 - 9

The high pressure hose can be used with the provided adaptors to inflate a variety of items.

- To install accessory: insert adaptor (or needle) into air chuck and push air chuck clamp down until it locks into place. Inflate to desired pressure.
- Remove accessory by lifting air chuck clamp up and pulling the adaptor (or needle) from air chuck.

### INFLATING MANUALLY FOR HIGH AND LOW PRESSURE APPLICATIONS

- Connect either high or low pressure hose to item to be inflated.
- Depress power switch to proper switch (low or high pressure) until desired pressure is reached.  
NOTE: Stand 10 feet away from item being inflated.
- Turn off power switch.

### ACCESSORIES

See figures 8 - 9

The supplied accessories perform a variety of functions. The tapered adaptor can be used on smaller pinch valves to inflate items like floats and children's toys, which usually require the user to inflate them by blowing air into them. The sport ball needle can be used to inflate any type of sports ball or any other item that requires an inflation sport ball needle.

NOTE: When inflating items of 10 PSI, .69 BAR, 69 kPa or less, inflate in short bursts and check after each burst by feel or with a calibrated measuring device to determine accurate pressure.

#### To use the sport ball needle:

- Insert sport ball needle into sports ball valve and inflate.
- Remove sport ball needle after inflation.

NOTE: Pressure required for most sports balls is too low for accurate reading on gauge.

The presta valve adaptor can be used for presta valve stems as described below. Before inflating a tire with a presta valve, loosen the locking nut on the valve stem to inflate. Once inflation is complete, tighten the locking nut to seal the tire valve.

#### To use the presta valve adaptor:

- Loosen presta valve locking nut.
- Thread presta valve adaptor onto valve stem with larger open end toward wheel.
- Position the air chuck clamp in the unlock position.
- Clamp the end of the air chuck down onto the presta valve adaptor by pressing air chuck clamp down until it locks into place.
- After inflation, remove air chuck and tighten locking nut.

### ACCESSORIES STORAGE

See figure 10.

When not in use, adaptors and needles provided with the inflator can be placed in the storage area located on the right side of the tool.

## English

### HOSE STORAGE

See figures 10 - 11

When not in use, the hoses provided with the inflator can be placed in the storage areas located on both sides of the inflator.

### MAINTENANCE

#### WARNING

When servicing, use only identical replacement parts. Use of any other parts may create a hazard or cause product damage.

#### WARNING

Always wear safety goggles or safety glasses with side shields during power tool operation or when blowing dust. If operation is dusty, also wear a dust mask.

#### WARNING

To avoid serious personal injury, always remove the battery pack from the tool when cleaning or performing any maintenance.

Avoid using solvents when cleaning plastic parts. Most plastics are susceptible to damage from various types of commercial solvents and may be damaged by their use. Use clean cloths to remove dirt, dust, oil, grease, etc.

#### WARNING

Do not at any time let brake fluids, gasoline, petroleum-based products, penetrating oils, etc., come in contact with plastic parts. Chemicals can damage, weaken or destroy plastic which may result in serious personal injury.

### ENVIRONMENTAL PROTECTION



Recycle raw materials instead of disposing of as waste. The machine, accessories and packaging should be sorted for environmental-friendly recycling.

### SYMBOL



Safety alert

V

Volts

min<sup>-1</sup>

Revolutions or reciprocations per minute



Direct current

n<sub>0</sub>

No load speed



Please read the instructions carefully before starting the machine.



Risk of injury. Explosive material.



Recycle



Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or retailer for recycling advice.