



20V Cordless Blower and Trimmer Combo – E-FORCE 200 Series

User Manual

[Revision 2.0 July 2019]

READ THIS MANUAL CAREFULLY BEFORE USE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • KEEP THIS MANUAL FOR FUTURE REFERENCE. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.

THE BATTERY MAY HAVE SOME CHARGE ON ARRIVAL, IT IS IMPORTANT HOWEVER THAT THE BATTERY IS CHARGED PRIOR TO USE.

Safety

Safety messages are designed to alert you to possible dangers or hazards that could cause death, injury or equipment or property damage if not understood or followed. Safety messages have the following symbols:



You **WILL** be KILLED or SERIOUSLY INJURED if you do not follow instructions.

It is vital that you read and understand this user manual before using the product, including safety warnings, and any assembly and operating instructions. Keep the manual for future reference.

Safety precautions and recommendations detailed here must be fully understood and followed to reduce the risk of injury, fire, explosion, electrical hazard, and/or property damage.

Safety information presented here is generic in nature – some advice may not be applicable to every product. The term "equipment" refers to the product, be it electrical mains powered, battery powered or combustion engine powered.

- **Before Use** - If you are not familiar with the safe operation/handling of the equipment or are in any way unsure of any aspect of suitability or correct use for your application, you should complete training conducted by a person or organization qualified in safe use and operation of this equipment, including fuel/electrical handling and safety.
- Do NOT operate the equipment in flammable or explosive environments, such as in the presence of flammable liquids, gases or dust. The equipment may create sparks or heat that may ignite flammable substances.
- Keep clear of moving parts.
- Equipment may be a potential source of electric shock or injury if misused.
- Do NOT operate the equipment if it is damaged, malfunctioning or is in an excessively worn state.
- Do NOT allow others to use the equipment unless they have read this manual and are adequately trained.
- Keep packaging away from children - risk of suffocation! Operators must use the equipment correctly. When using the equipment, consider conditions and pay due care to persons and property.

General Work Area Safety

- Work areas should be clean and well lit.
- Do not operate the equipment if bystanders, animals etc are within operating range of the equipment or the general work area.
- If devices are provided for connecting dust extraction / collection facilities, ensure these are connected and used properly. Dust collection can reduce dust-related hazards.



You **CAN** be KILLED or SERIOUSLY INJURED if you do not follow instructions.

General Personal Safety

- Wear appropriate protective equipment when operating, servicing, or when in the operating area of the equipment to help protect from eye and ear injury, poisoning, burns, cutting and crush injuries. Protective equipment such as safety goggles, respirators, non-slip safety footwear, hard hat, hearing protection etc should be used for appropriate equipment / conditions. Other people nearby should also wear appropriate personal protective equipment. Do not wear loose clothing or jewellery, which can be caught in moving parts. Keep hair and clothing away from the equipment.
- Stay alert and use common sense when operating the equipment. Do not over-reach. Always maintain secure footing and balance.
- Do not use the equipment if tired or under the influence of drugs, alcohol or medication.
- This equipment is not intended for use by persons with reduced physical, sensory or mental capabilities.

General Fuel Safety

- Petrol/fuel/gasoline is extremely flammable – keep clear of naked flames or other ignition sources.
- Do not spill fuel. If you spill fuel, wipe it off the equipment immediately – if fuel gets on your clothing, change clothing.
- Do NOT smoke near fuel or when refuelling.
- Always shut off the engine before refuelling.
- Do NOT refuel a hot engine.
- Open the fuel cap carefully to allow any pressure build-up in the tank to release slowly.
- Always refuel in well ventilated areas.
- Always check for fuel leakage. If fuel leakage is found, do not start or run the engine until all leaks are fixed.

General Carbon-Monoxide Safety

- Using a combustion engine indoors **CAN KILL IN MINUTES**. Engine exhaust contains carbon-monoxide – a poison you cannot smell or see.
- Use combustion engines OUTSIDE only, and far away from windows, doors and vents.



You **CAN** be INJURED if you do not follow instructions or equipment damage may occur.

General Equipment Use and Care

- The equipment is designed for domestic use only.
- Handle the equipment safely and carefully.
- Before use, inspect the equipment for misalignment or binding of moving parts, loose components, damage or any other condition that may affect its operation. If damaged, have the equipment repaired by an authorised service centre or technician before use.
- Prevent unintentional starting of the equipment - ensure equipment and power switches are in the OFF position before connecting or moving equipment. Do not carry equipment with hands or fingers touching any controls. Remove any tools or other items that are not a part of the equipment from it before starting or switching on.
- Do not force the equipment. Use the correct equipment for your application. Equipment will perform better and be safer when used within its design and usage parameters.
- Use the equipment and accessories etc. in accordance with these instructions, considering working conditions and the work to be performed. Using the equipment for operations different from those intended could result in hazardous situations.
- Always keep equipment components (engines, hoses, handles, controls, frames, housings, guards etc) and accessories (cutting tools, nozzles, bits etc) properly maintained. Keep the equipment clean and, where applicable, properly lubricated.
- Store the equipment out of reach of children or untrained persons. To avoid burns or fire hazards, let the equipment cool completely before transporting or storing. Never place or store the equipment near flammable materials, combustible gases or liquids etc.
- The equipment is not weather-proof, and should not be stored in direct sunlight, at high ambient temperatures or locations that are damp or humid.
- Do not clean equipment with solvents, flammable liquids or harsh abrasives.
- For specific equipment safety use and care, see Equipment Safety.

General Electrical Safety

- Inspect electrical equipment, extension cords, power bars, and electrical fittings for damage or wear before each use. Repair or replace damaged equipment immediately.
- Ensure all power sources conform to equipment voltage requirements and are disconnected before connecting or disconnecting equipment.
- When wiring electrically powered equipment, follow all electrical and safety codes.
- Wherever possible, use a residual current device (RCD).
- High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.

General Electrical Safety

- Electrically grounded equipment must have an approved cord and plug and be connected to a grounded electrical outlet.
- Do NOT bypass the ON/OFF switch and operate equipment by connecting and disconnecting the electrical cord.
- Do NOT use equipment that has exposed wiring, damaged switches, covers or guards.
- Do NOT use electrical equipment in wet conditions or in damp locations.
- Do NOT use electrical cords to lift, move or carry equipment.
- Do NOT coil or knot electrical cords, and ensure electrical cords are not trip hazards.

General Service Information

- The equipment must be serviced or repaired at authorised service centres by qualified personnel only.
- Replacement parts must be original equipment manufacturer (OEM) to ensure equipment safety is maintained.
- Do NOT attempt any maintenance or repair work not described in this manual.
- After use, the equipment and components may still be hot – allow the equipment to cool and disconnect spark plugs and/or electrical power sources and/or batteries from it before adjusting, changing accessories or performing repair or maintenance.
- Do NOT adjust while the equipment is running.
- Perform service related activities in suitable conditions, such as a workshop.
- Replace worn, damaged or missing warning/safety labels immediately.

Power Tools 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 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 tools operation. If damaged, have the power tool repaired before use. Many accidents are caused by poorly maintained power tools.
- 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 and in the manner intended for the particular type of power tool, taking into account the working conditions and the work to be performed. Use of the power tool for operations different from intended could result in a hazardous situation.

Blower Use and Care

- For domestic use only.
- Always wear a face shield when operating the machine.
- Maintain a distance of at least 20m (60') between the operator and any bystanders, animals etc.
- Never blow debris in the direction of bystanders.
- Always use the complete and correct blow attachments.
- If rubbish to be blown is stuck together, it may be necessary to break it up before using the machine on it.
- Do not operate the machine near open windows.
- Be aware of machine noise and be considerate of others – operate the machine during reasonable times of day.
- This product is designed for hard surface use. Do not use on grass or to move wet or heavy debris.
- Do not blow hard or sharp materials such as glass, stones, metal objects etc.

Battery and Charging Safety

- Use only with the batteries and battery charger supplied by the manufacturer.
- Do not charge batteries in temperatures below 4°C (40°F) or above 40°C (104°F).
- Allow the battery pack to cool before charging.
- Ensure the power switch is in the OFF position before inserting the battery pack.
- **Explosion hazard** – Do not attempt to destroy or disassemble the battery pack or remove any of its components.
- **Explosion hazard** – Do not touch the battery terminals with metal objects and/or body parts as short-circuit and/or personal injury may result.
- **Explosion hazard** – Protect the battery against heat; for example, direct sunlight and fire.
- **Poison hazard** – Under severe conditions, liquid may be ejected from the battery – avoid contact. If contact occurs, flush with water. If liquid contacts eyes, flush with clean water for at least 10 minutes, then seek immediate medical attention. Liquid ejected from the battery may cause irritation or burns.
- **Electrocution / electric shock hazard** – Do not operate the battery charger if it has a damaged cord or plug.

- Batteries must be disposed of in accordance with local regulations.
- Ensure the switch is in the off position before inserting battery pack. Inserting the battery pack into power tools that have the switch on invites accidents.
- 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.

Batteries

- Never attempt to open for any reason
- Do not expose to water
- Do not incinerate the battery pack even if it is severely damaged or is completely worn out. The battery pack can explode in a fire.
- Do not store in locations where the temperature may exceed 40°C
- Do not leave the battery pack in the charger when the charging is finished, otherwise battery leakage may occur.
- Charge only at room temperature.
- Charge only at using the charger provided with the tool (see technical data)
- Before charging, make sure that the battery is dry and clean.
- Use only the correct type of battery for the tool (see technical data).
- When dispose of batteries follow the instructions given in the section "protecting the environment".
- Under extreme conditions ,battery leakage may occur .When you notice liquid on the battery , proceed as follows:
- Carefully wipe the liquid off using a cloth. Avoid skin contact.
- In case of skin or eye contact, follow the instructions below.
- The battery fluid, a 25-30% solution of potassium hydroxide, can be harmful. In case of skin contact, immediately rinse with water. Neutralize with a mild acid such as lemon juice or vinegar. In case of eye contact, rinse abundantly with clean water for at least 10 minutes. Consult a physician.

Chargers

- Charger's plug must match the outlet. Never modify the plug in any way. Unmodified plugs and matching outlets will reduce risk of electric shock.
- Use your charger only to charge batteries of the type supplied with your tool. Other batteries could burst, causing personal injury and damage.
- Only 2 battery packs is allowed to be charged continuously in order to prevent overheating of charger, necessary rest time is required to let the charger cool down before further charging.
- When charging is finished, unplug the charger from mains socket outlet and take away the battery pack from the charger, do not leave the battery pack in the charger.
- Never carry the charger by its cord or pull it to disconnect from the socket. Keep the cord away from heat, oil and sharp edges.
- Never attempt to charge non-rechargeable batteries.
- The cord of charger is not changeable, do not continue to use if the cord is damaged.
- Do not expose to water or rain, do not use in wet condition.
- Do not open the charger.
- Do not probe the charger.
- Intended for indoor use only.





















Safety Precautions for Line Trimmers

- Wear safety goggles when operating this tool.
- Wear gloves when operating this tool.
- Do not expose the tool to rain or high humidity.
- Be familiar with the controls and proper use of trimmer;
- Never allow children or people unfamiliar with the instructions to use the trimmer.
- Keep children, other people and pets away from the trimmer; the grass which is cut and dispersed may contain stones and debris. Stop using the trimmer while people, especially children, or pets are nearby.
- Do not let other people or animals come within 15 feet of the trimmer when in use.
- Only use the trimmer in daylight or good artificial light.
- Before using the trimmer and after any impact, check for signs of wear or damage and repair as necessary; do not use the trimmer if the cutting device is not secured properly or is damaged.
- Always check the good working order of the trimmer which, if not adequate, could endanger the user.
- Always use the guards when using the grass trimmer.
- Do not use the trimmer if the guards are damaged.
- Before starting the trimmer, make sure that the nylon line is not touching stones or debris.

- Keep hands and feet away from the cutting area at all times and especially when switching on the motor.
- Guard against injury from the cutting blade fitted for trimming the filament line length. After extending new cutting line always return the trimmer to its normal operating position before switching on.
- Do not use metal cutting elements.
- Do not use replacement parts or accessories not provided or not recommended by the manufacturer.
- Remove the battery before checking, cleaning or working on the trimmer and when it is not in use.
- Always ensure that ventilation openings are kept clear of debris.
- To avoid unintentional starting, do not carry the machine with a finger on the on/off switch.
- Remain in a stable and secure position while operating the trimmer.
- Keep the area being cut free from wires, stones and debris.
- Do not cut against hard objects. This could cause injury or damage the trimmer.
- **WARNING!** Cutting elements continue to rotate after the motor is switched off.
- Do not try stop the cutting device (nylon line) with your hands. Always let it come to a stop by itself.
- Do not use the trimmer to cut grass which is not in contact with the ground; for example, do not cut grass which is on walls or rocks etc.
- Do not crossroads or gravel paths with the trimmer still running.

Safety Symbols

The product may have safety warning labels attached to it, explained below. Understand the symbols on your product and their meanings. If any stickers become unreadable, unattached etc., replace them.

 <p>Flammable Material Hazard Flammable liquids, gases or substances etc may present. Avoid ignition sources and open flames. Danger of fire.</p>	 <p>Read User Manual Read and fully understand product safety warnings, operation, procedures etc before using the product.</p>	 <p>Use Hand Protection Wear appropriate hand protection and take due care as the product or use of the product may present hand hazards.</p>	 <p>Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>
 <p>Electrocution / Electrical Shock Hazard High voltage or high current electricity may be present or required by the product. Take due care when handling electrical products, cables, plugs and leads. Electrical shock can be fatal.</p>	 <p>Toxic Fumes / Dust Hazard Using the product or by-products from use may produce fumes, smoke or particles that could be harmful if inhaled. Wear appropriate breathing protection and have adequate ventilation.</p>	 <p>Explosive Material Hazard Combustible liquids, gases or substances etc may be present. Avoid ignition sources and open flames. Danger of explosion.</p>	 <p>Cutting / Amputation Hazard The product may have blades, edges or mechanical devices that can cause severe cut injury to fingers, limbs etc. Take due care when handling and using the product.</p>
 <p>Crush Hazard The product may have blades, edges or mechanical devices that can cause severe crush injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p>Single Operator Only The product must be operated by a single person only. More than one person operating the product may introduce additional hazards.</p>	 <p>Use Face Protection Wear appropriate full-face protection and take due care as the product or use of the product may present face and eye hazards.</p>	 <p>Use Foot Protection Wear appropriate foot protection and take due care as the product or use of the product may present foot hazards.</p>
 <p>Use Eye / Ear / Head Protection Wear appropriate eye and / or ear and / or head protection and take due care as the product or use of the product may present eye, hearing and head hazards.</p>	 <p>Running Hazard Do not run on or near the product as doing so may present a fall hazard.</p>	 <p>Diving Hazard Do not dive into the product as doing so may present a neck / head injury hazard.</p>	 <p>Adult Supervision Required Always supervise children and other users of a product to prevent drowning or injury.</p>
 <p>Skin Penetration / Puncture Hazard The product may produce pressure, emit liquids or objects that can cause severe injury to fingers, limbs, blood etc. Take due care when handling and using the product.</p>	 <p>Hot Surface Hazard Be aware that the product may produce high temperatures and hot surfaces that can cause burn injuries.</p>	 <p>Flying Debris Hazard Be aware that the product or use of the product may present hazards produced by flying debris. Wear appropriate clothing and protective devices.</p>	 <p>Moving Parts Hazard Be aware that the product contains or uses mechanical devices that move or rotate. Always wait for moving parts to stop fully before handling the product, adjusting, maintenance etc.</p>
















 <p>Carbon-Monoxide Hazard Do not use the product in confined areas or without adequate ventilation. Carbon-monoxide poisoning can be fatal.</p>	 <p>Pull Hazard Be aware that the product contains or uses mechanical devices that can pull in objects and can cause severe injury to fingers, limbs etc. Take due care when handling and using the product.</p>	 <p>Slope / Fall Injury Hazard Be aware that using the product on sloping surfaces or in slippery conditions may present additional dangers from falls and contact with blades, moving parts, hot surfaces etc.</p>	 <p>"Slam Dunk" Warning Do NOT attempt "slam dunk" manoeuvres as this may result in severe injury due to falling, product breakage or collapse etc.</p>
 <p>Electrocution / Electrical Shock Hazard - Outdoor High voltage or high current electricity may be present or required by the product. Do NOT use in rain, damp or wet conditions. Electrical shock can be fatal.</p>	 <p>Electrocution / Electrical Shock Hazard - Disconnect High voltage or high current electricity may be present or required by the product. Always disconnect the product from the electrical supply before handling the product, adjusting, maintenance etc.</p>	 <p>Power Line Electrocution Hazard High voltage / high current power lines may be present. Use extreme caution to avoid contact or interference with power lines. Electrical shock can be fatal.</p>	 <p>"Kick-Back" Hazard High level of "kick-back" hazard that can cause the machine to suddenly rotate towards operator. Kick-back injury can be fatal.</p>
 <p>Winch Operator Position Hazard Do NOT stand between winch and load. Do NOT use winch to move people.</p>	 <p>Winch Lift Hazard Do NOT LIFT load vertically. Use machine to PULL only.</p>	 <p>Cable Hazard Ensure that load bearing cable is not kinked or knotted.</p>	 <p>Winch Cable Hazard Ensure that there is a minimum number of cable coils on winching mechanism.</p>
 <p>Winch Hook Hazard Carry hook to load – do NOT throw or run.</p>	 <p>Flash / Blinding Hazard Wear appropriate eye protection for welding. Direct exposure to weld arcs may cause permanent eye injury.</p>	 <p>Laser Hazard Laser may be in use – do NOT look directly at laser or allow others to.</p>	

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Cordless Blower – HB2

Parts Identification



No.	Name	No.	Name
1	Blower unit	4	Main blower tube
2	Transformer	5	Blower nozzle
3	Battery charger	6	Battery pack

Assembly

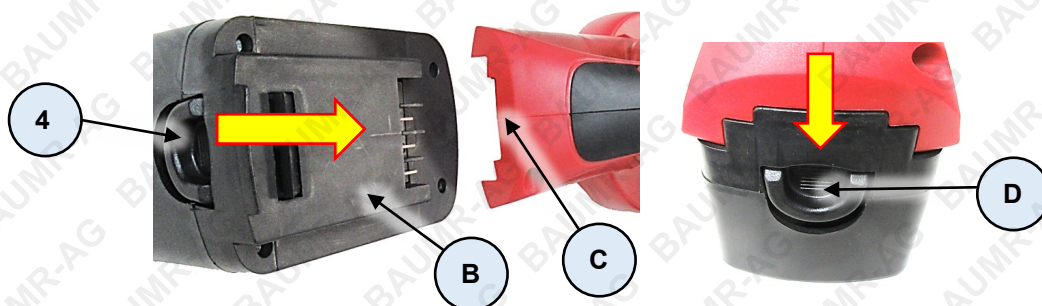
- Slide the main blower tube (2) over the blower unit outlet (1) until it "clicks" into place. To disassemble the tube from the blower unit, press and hold the release button (A) and slide the tube off.



- Slide the blower nozzle (3) on to the end of the main blower tube until it "clicks" into place. This connection is not designed to be disassembled.



- Slide the battery pack (4) into the back of the blower unit until it "clicks" into place. Ensure that the locating rails (B) on the top of the battery are aligned with the slots (C) in the blower unit. To remove the battery pack, press the battery release latch (D) down until the battery pack "pops" out from the blower unit, then slide it out.



Operation



Always wear a face shield when operating the machine. • Maintain a distance of at least 20m (60') between the operator and any bystanders, animals etc. • Never blow debris in the direction of bystanders. • Ensure that battery is fully charged before using the machine.

- Hold the machine firmly by the handle, with the nozzle pointing away, then switch the machine ON. The power switch (1) has 3 positions – OFF (A), ON: LOW SPEED (B) and ON: HIGH SPEED (C).
- When finished, switch the machine OFF.



- Stand at a distance away from debris that will easily allow you to control its direction as it is blown.
- Blow in an arc motion and keep the nozzle approximately 150 to 200mm above the ground during use.

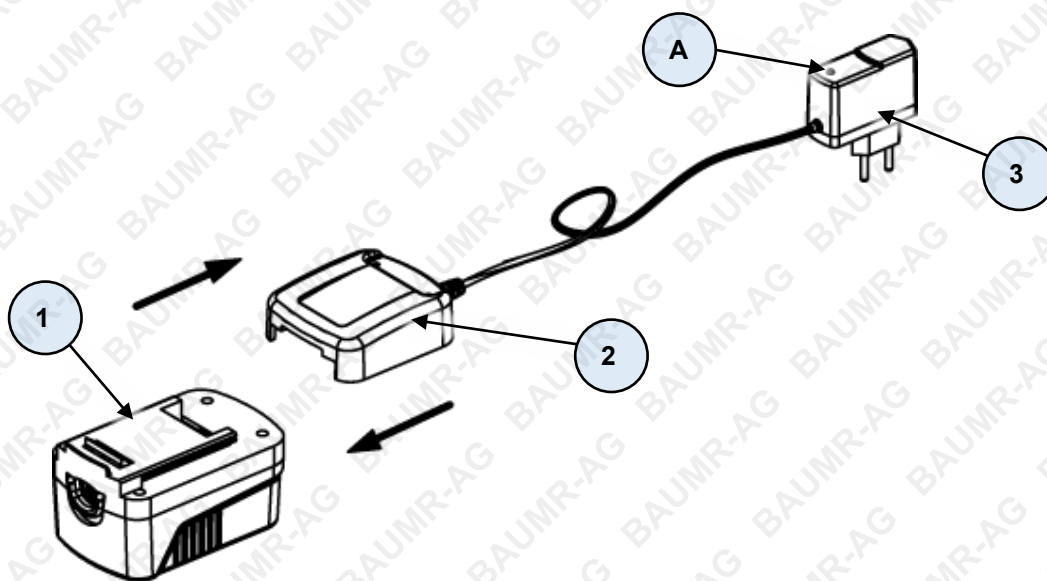
- Use rakes and brooms to loosen debris before blowing. In dusty conditions, slightly dampen surfaces.

Charging the Battery



Do not touch the battery terminals with metal objects and/or body parts as short-circuit and/or personal injury may result. • Do not operate the battery charger if it has a damaged cord or plug. • Use only with the batteries and battery charger supplied by the manufacturer. • Do not charge batteries in temperatures below 4°C (40°F) or above 40°C (104°F). • Allow the battery pack to cool before charging. • The battery pack has built-in protection against deep discharge. • Do not leave the battery pack connected to the charger for extended periods. • The battery charger may generate some heat and emit a small amount of noise during use – this is normal.

1. Ensure the machine is switched OFF.
2. Remove the battery pack from the machine.
3. Slide the battery "charging dock" (2) on to the battery (1). Ensure that the locating rails on the top of the battery are aligned with the slots in the charging dock and that both parts are fully engaged.
4. Connect that battery charger (3) cable to the charging dock and plug the battery charger into a 240VAC mains electrical supply. When charging, the indicator lamp (A) on the battery charger will be red. When the battery is charged (approximately 4 hours), the indicator lamp will be green.
5. Disconnect the battery charger from the electrical supply and remove the charging dock from the battery pack.



Troubleshooting

Problem	Possible Cause	Corrective Action
Machine does not run	Battery not connected	Connect battery pack
	Battery requires charge	Charge battery
	Battery no longer serviceable	Replace battery pack
	Blower unit fault	Have the machine inspected and repaired at an authorised service centre
Machine runs, but has low power	Battery requires charge	Charge battery
	Battery no longer serviceable	Replace battery pack

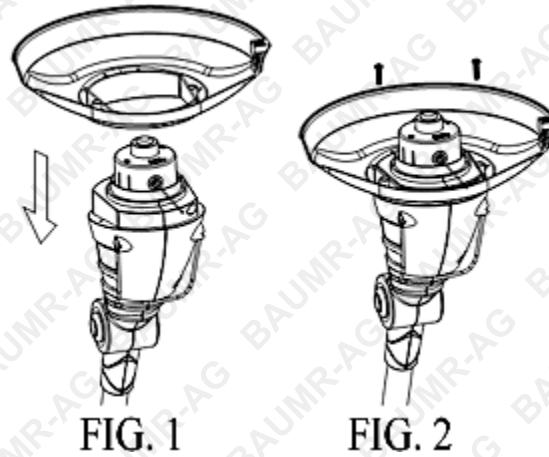


Cordless Line Trimmer – TR2

Assembly

Guard Installation

1. Remove two screws from the motor housing.
2. Slide guard over motor housing (FIG. 1).
3. Re-insert two screws into the guard and tighten (FIG. 2).



Attach Adjustable Handle

Refer to FIG. 3.

1. Turn the handle knob and Draw out the bolt from the adjustable handle.
2. Insert the adjustable handle in the machine handle.
3. Insert the bolt and handle knob, then turn the handle knob lightly tighten.
4. Before tightening completely, turn the adjustable handle in desired angle. When adjustable handle is in desired angle, tighten the handle knob securely.

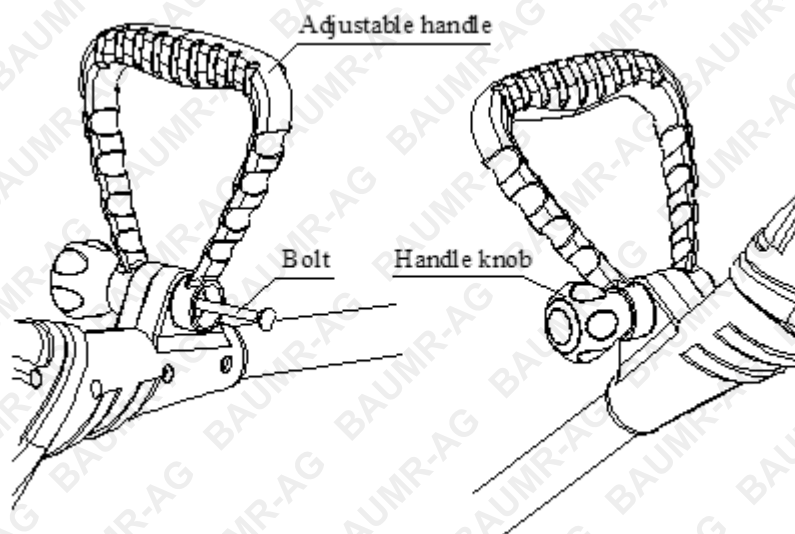


FIG. 3

Operation



It is important you read and understand the instruction manual before first use and keep the manual in a safe place for future reference.



Safety precautions must be observed to reduce the risk of personal injury when operating this machine.



DANGER! Keep clear of power lines, contact can cause death.



It is strongly recommended that a comprehensive training course on machine use, fuel handling safety and engine operation be completed before attempting to use this machine.



Never allow children to access the machine.



Always wear ear protection. Loud noises for an extended period of time may damage your hearing.



Total face and head protection must be worn to reduce injury from falling branches.



Wear no-slip heavy duty work gloves to improve your grip on the saw handle. Gloves also reduce the transmission of machine vibration to your hands.



The dust produced during operation may be dangerous to health. If the work area is very dusty or smoky, wear a respirator.

Intended Use

- Your grass trimmer has been designed for trimming grass. Do not use for any other purpose. This tool is intended for domestic use only.
- Your charger has been designed for charging batteries of the type supplied with this tool. Do not use to charge other batteries.

Starting

1. Grip rear handle and press trigger lock-off button (A) with thumb, then pull trigger switch (B) (See FIG. 4).

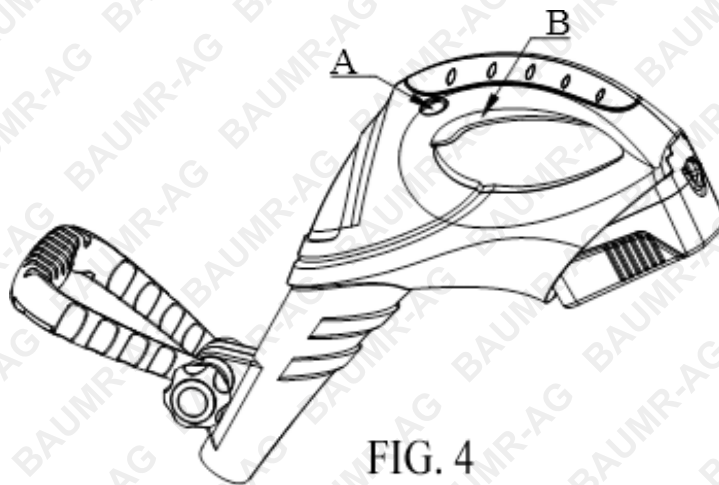


FIG. 4

2. Before starting the grass trimmer for the first time, check that the nylon lines touch or pass over the wire cutting blade. If they are not long enough:
 - a. Press the spool button (FIG. 5).
 - b. Pull more nylon wire to lengthen (FIG. 5).

3. The lengthened nylon line will be cut to size automatically by the wire cutting blade once the lawn trimmer is turned on.
4. During use, the nylon line will become shortened or worn. To automatically lengthen or advance the nylon cutting line, tap the spool button lightly on ground (while the unit is running) (FIG. 6).

These operations should be repeated a few times before starting work to make sure that everything is functioning properly and to familiarise yourself with the grass trimmer. Start off slowly, when you have gained experience, you will be able to use the grass trimmer to its full potential.

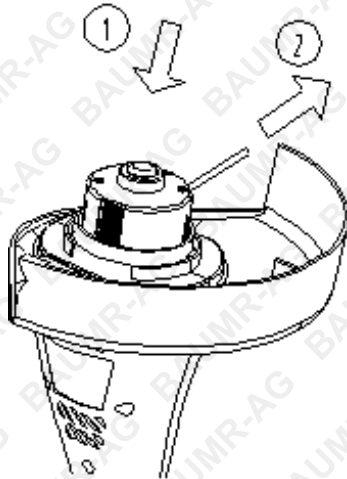


FIG. 5

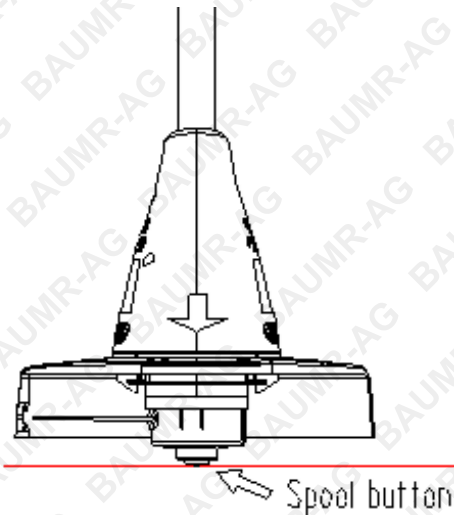


FIG. 6

5. The length of the grass trimmer can be infinitely varied and therefore adjusted to your individual height (FIG. 7):
 - a. Hold the tube with one hand, then loosen the adjusting thread.
 - b. Set the handle to the correct length and tighten the adjusting thread.

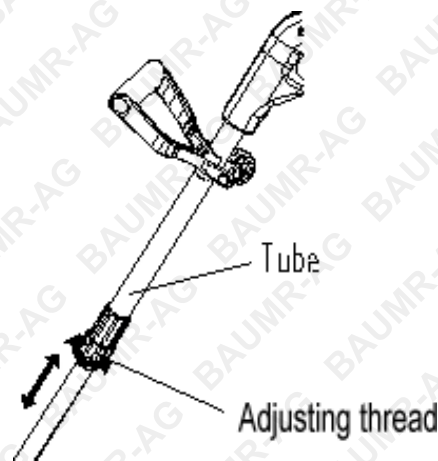


FIG. 7

Replacing the Spool of the Nylon Line

1. Switch off the trimmer and wait for all parts to stop moving.
2. Remove the battery pack.
3. Remove the spool assembly from the trimmer. To do so, hold the outer ribbed part of the assembly with one hand, while pushing down and turning the spool head with the other to unlock it (FIG. 8). The spool carrier and spool will now disassemble easily.

NOTE: There is a spring inside the head that could easily be lost. Ensure that it is put in a safe place.

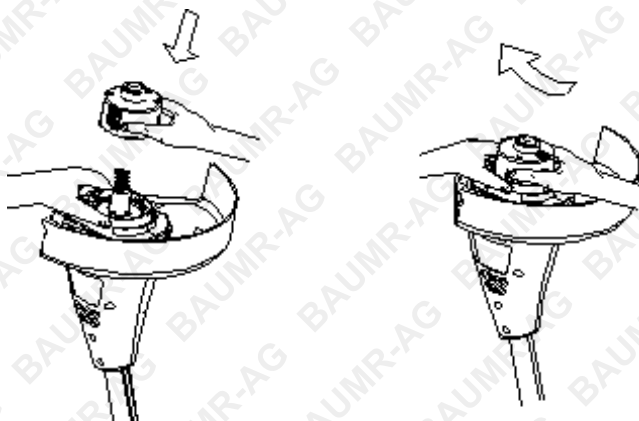


FIG. 8

4. Choose either OPTION 1 or OPTION 2 below for spool or line replacement.
5. Insert the line through the eyelet in the spool carrier and slide the spool into it (FIG. 9).

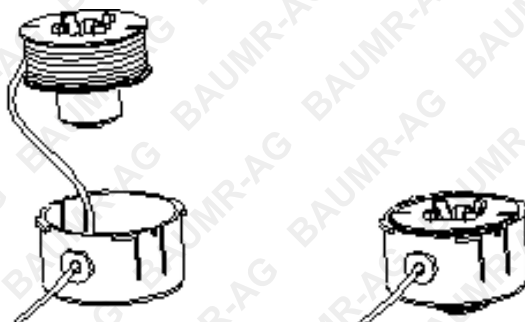


FIG. 9

6. Making sure to insert the spring, assemble the spool and spool carrier back onto the trimmer. To do so, push the head on and turn it clockwise until it locks (FIG. 10).

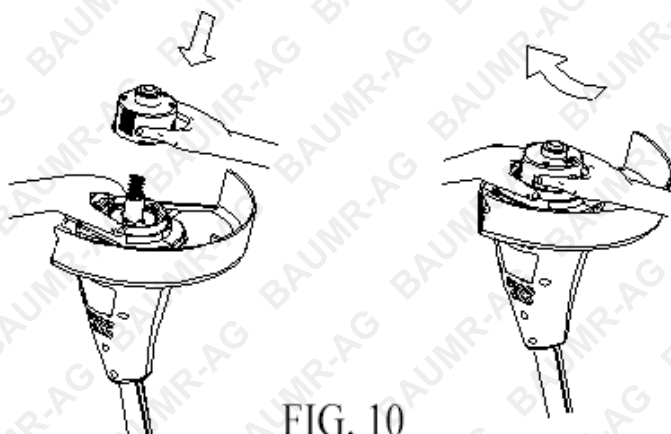


FIG. 10

7. To test if the line is advancing properly, push the button with your thumbs while pulling the wire with your fingers. The line should advance freely.

Option 1: Accessory Replacement Spool

- Use replacement spool.

Option 2: Rewinding Spool Using Line

- Line for your trimmer is available at extra cost from your local dealer or manufacturer. To install line, follow the steps below:
 - i. Insert one end of line into the hole in the spool as shown in FIG. 11, about 3 mm.

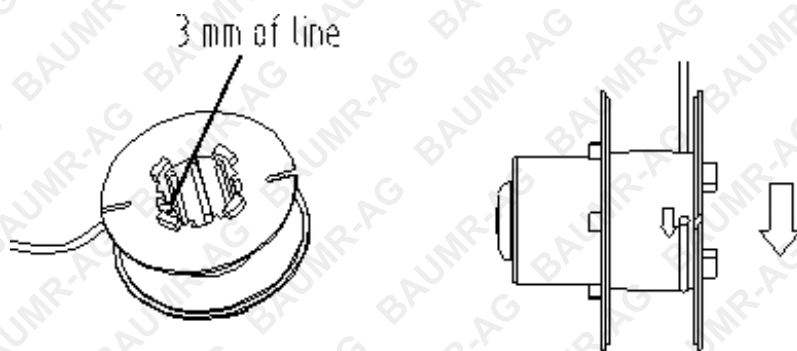


FIG. 11

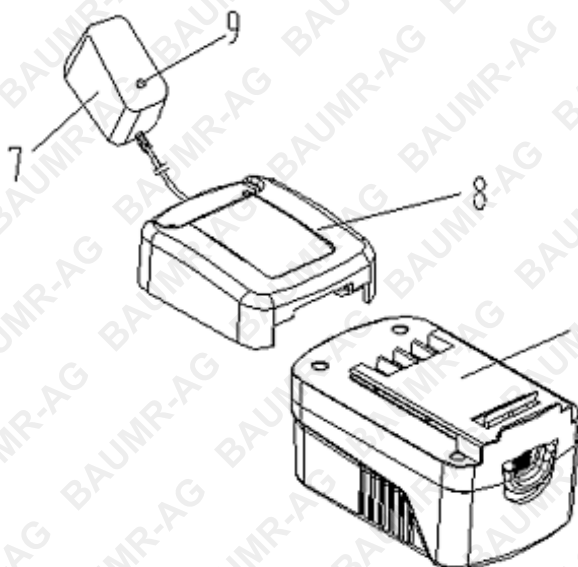
- ii. Snugly and evenly wind the line onto the spool in the direction of the arrow on the spool (FIG. 11), until the line builds up to the notches in the spool rim. Do not overfill spool. The spool holds about 6.5m of line.

Charging the Battery

The battery needs to be charged before first use and whenever it fails to produce sufficient power on jobs that were easily done before. The battery may become warm while charging; this is normal and does not indicate a problem.

NOTE: After several charge and discharge cycles, the battery will attain full capacity.

**DO NOT CHARGE THE BATTERY AT AMBIENT TEMPERATURES BELOW 4°C OR ABOVE 40°C.
RECOMMENDED CHARGING TEMPERATURES: APPROX. 24°C.**



1. Connect the charger (#7) to the charger station (#8).
2. Plug the charger into an appropriate AC power outlet. The LED (#9) lights green to tell you that the charger is ready for use.
3. Insert the charger station (#8) into the battery pack (#6), as shown in FIG. 13, making sure the charger station is fully seated in the battery pack. The LED (#9) lights red to tell you that the battery pack is on charge.
4. The battery pack will be fully charged in about 4 hours. And the LED (#9) lights green again to tell you that the battery pack is fully charged.

Important Charging Reminders




- Longest life and best performance can be obtained if the battery pack is charged when the air temperature is between 18 – 24°C. Do not charge the battery pack in a very low or very high air temperature. This is important and will prevent serious damage to the battery pack.
- **When using your tool continuously, the batteries in your battery pack will become hot. You should let a hot battery pack cool down for approximately 30 minutes before attempting to recharge.**
- The charger and battery pack may become warm to touch while charging. This is a normal condition and does not indicate a problem.
- Use the charger in normal room temperatures whenever possible. To prevent overheating, do not cover the charger and do not charge battery packs in direct sunlight or near heat sources.
- If the battery pack does not charge properly:
 - Check current at receptacle by plugging in a lamp or other appliance.
 - Move charger and battery pack to a location where the surrounding air temperature is approximately 18 – 24°C.
 - If charging problems persist, take or send the tool, battery pack and charger to your local service centre.
- The battery pack should be recharged when it fails to produce sufficient power on jobs which were easily done previously. **DO NOT CONTINUE** to use under these conditions. Follow the charging procedure. You may also charge a partially used pack whenever you desire with no adverse effect on the battery pack.
- Under certain conditions, with the charger plugged in to the power supply, the exposed charging contacts inside the charger can be shorted by foreign material. Foreign materials of a conductive nature such as, but not limited to, steel wool, aluminium foil, or any build-up of metallic particles should be kept away from charger cavities. Always unplug the charger from the power supply when there is no battery pack in the cavity. Unplug charger before attempting to clean.
- Do not immerse charger in water or any other liquid.
- **WARNING!** Don't allow any liquid to get inside charger. Electric shock may result. To facilitate the cooling of the battery pack after use, avoid placing the charger or battery pack in a warm environment such as in a metal shed, or an uninsulated trailer.
- **CAUTION!** Never attempt to open the battery pack for any reason. If the plastic housing of the battery pack breaks or cracks, return to a service centre for recycling, do not put it into further use

Maintenance

- After use, remove the battery pack from the trimmer.
- When not in use store the machine out of the reach of children.
- Use only manufacturer-recommended replacement parts and accessories.
- Your trimmer line can dry out over time. To keep your line in top condition, store spare pre-wound spools or bulk line in a plastic, sealable bag with a tablespoon of water.
- To clean the tool, remove battery pack and use only mild soap and a damp cloth to clean the tool. Do not immerse tool in water or squirt it with a hose. Do not allow any liquid to get inside it. Do not clean with a pressure washer.
- The line cutter on the edge of the guard can dull over time. It is recommended you periodically touch-up the sharpness of the blade with a file.

Lithium Battery Care and Maintenance

Top 3 Battery Care Requirements

1. **Charge battery before first use.** The battery may arrive with some charge, regardless of this the battery must be charged for 4 hours on the initial charge and 4 hours for each subsequent charge. 
 2. **Charge battery immediately when it is depleted.** Do not store a depleted battery. This will permanently impact the life of the battery. If the battery is going to be stored for a period of time, fully charge the battery before storing. 
 3. **Disconnect battery when not in use.** To prolong the life of a battery, disconnect it from the unit when not in use. Disconnect chargers from the battery once charged. 
-

To ensure the battery maintains optimum performance, follow the guidelines outlined below.

- For best results, charge batteries in temperatures between 10°C and 30°C
- When battery is charged, disconnect the charger from the power supply and remove the battery from the charger.
- If a battery is stored or otherwise unused for an extended period, and the battery has no charge remaining when you check it, consider it to be damaged. Do not attempt to recharge it or to use it. Replace it with a new battery.
- Use only with the battery charger specified by the manufacturer.
- Ensure that the battery charger electrical cord is not subjected to damage or stress. Do not operate the battery charger if it has a damaged electrical cord or plug.
- Do not use the charger in wet areas or expose it to rain or water.
- The typical estimated life of a Lithium-Ion battery is about two to three years or 300 to 500 charge cycles, whichever occurs first. One charge cycle is a period of use from fully charged, to fully discharged, and fully recharged again
- Explosion hazard – protect the battery against heat; for example, direct sunlight and fire. Do not store batteries in vehicles or locations subject to heat.
- Batteries can explode in the presence of an ignition source, such as a pilot light. To reduce the risk of serious personal injury, never use any cordless product in the presence of open flame. Exploding batteries can propel debris and chemicals.
- Do not open the battery – danger of short-circuiting and/or explosion.
- Do not attempt to destroy or disassemble the battery pack or remove any of its components.
- Do not touch the battery terminals with metal objects and/or body parts as short-circuit and/or personal injury may result.
- Explosion hazard – do not open and/or short-circuit the battery.
- Poison hazard – battery leakage (liquid ejection). Under extreme conditions, liquid may be ejected from the battery – avoid contact. If contact accidentally occurs, immediately seek medical attention, and flush with water. If liquid contacts eyes, immediately seek medical attention, flush with clean water for at least 10 minutes. Liquid ejected from the battery may cause irritation or burns.
- Dispose of non-serviceable batteries in an environmentally responsible manner and according to local regulations.

Failure to adhere to the requirements above may result in the battery becoming inoperative or battery life being reduced. In extreme cases or abuse, battery overheating or fire may result.

Specifications

General

Battery	20V 1300mA.h, Lithium-Ion
Charger	240V
Charging Time	4 Hours
Throttle Control Handle	Rubber Over Moulded
Power Plug	Australian Standard

Leaf Blower

Battery	20V 1300mA.h, Lithium-Ion
Charger	240V
Charging Time	4 Hours
Throttle Control Handle	Rubber Over Moulded
Power Plug	Australian Standard

Line Trimmer

Model	TR2
Battery	20V 1300mAh Lithium
Trimmer Head	Bump Feed
Spool	6.5m
Trimmer Line	Φ 1.6mm
No-Load Speed	8000rpm
Cutting Path	230mm
Throttle Control Handle	Rubber Over Moulded
Front Handle	Adjustable Swivel
Shaft	Aluminium Telescopic
Charger	240V
Charging Time	4 Hours
Running Time	30 Minutes
Length	1-1.2m

Note: Minimal Assembly required



Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

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