

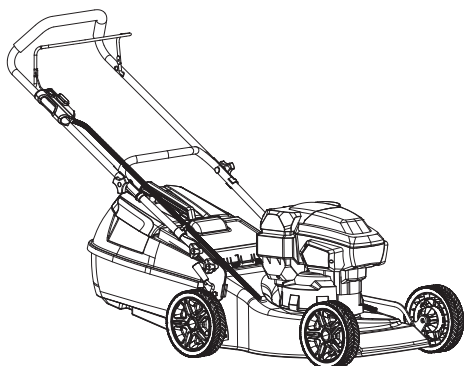
OPERATION MANUAL

G-FORCE[®]
EV MOW

**GARDEN
PRODUCTS**

**60V
LAWN
MOWER**

EV LM1-18



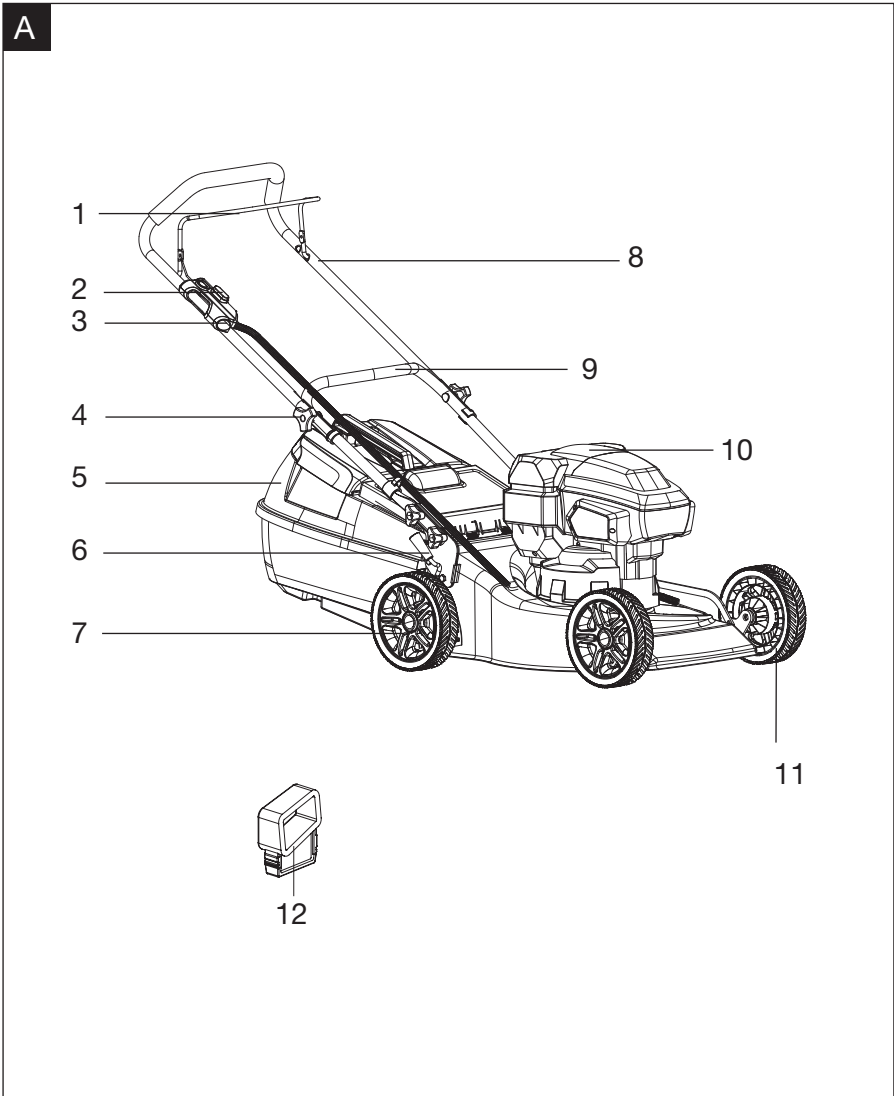
WARNING!

Read this manual carefully before using your lawn mower and keep it in a safe place for future reference.

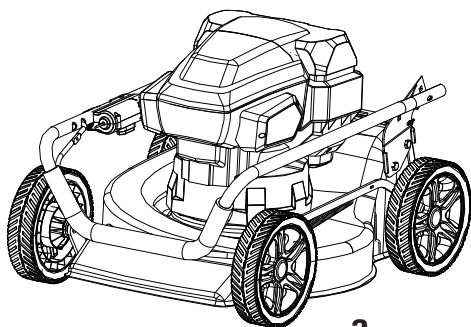


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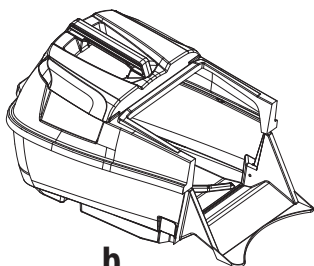
DESCRIPTION OF PRODUCT PARTS



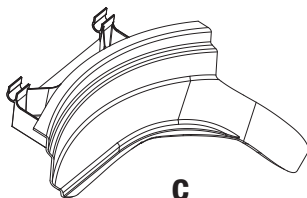
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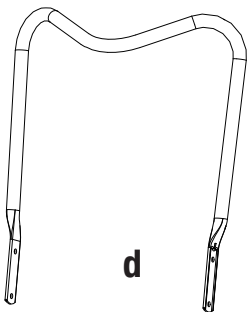
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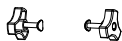
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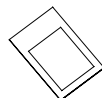
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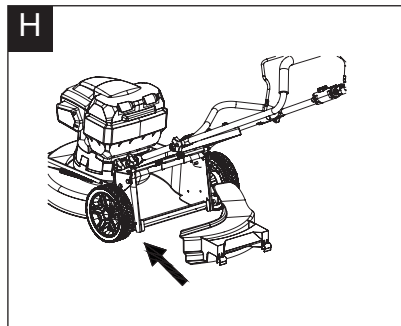
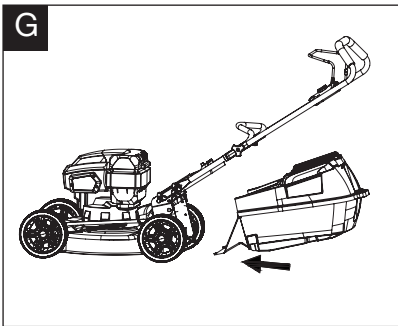
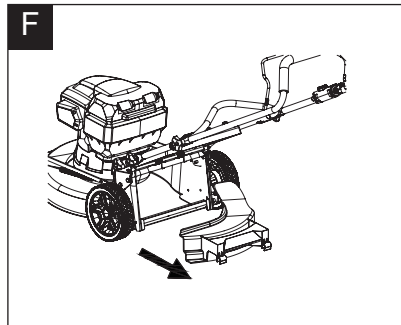
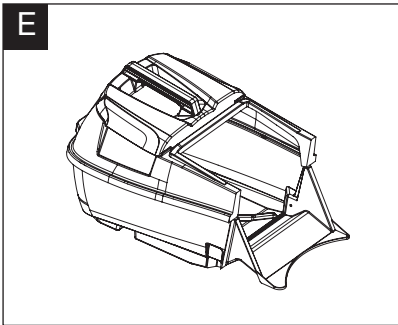
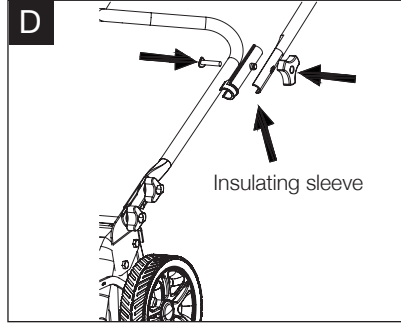
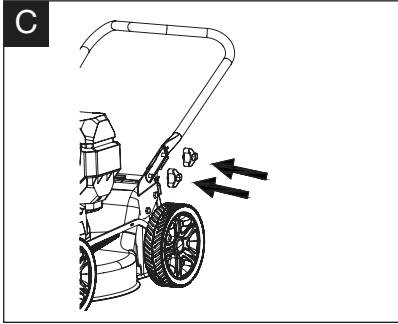
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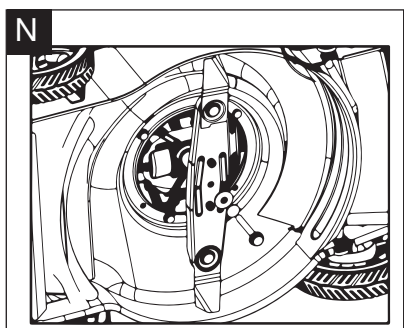
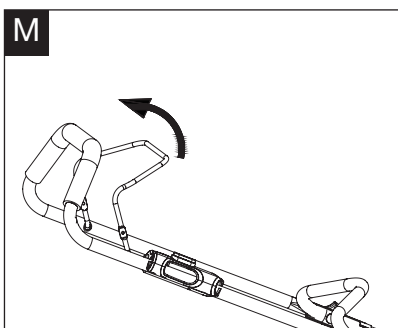
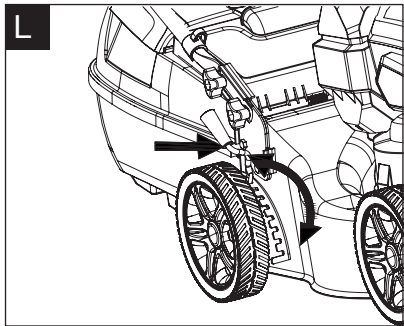
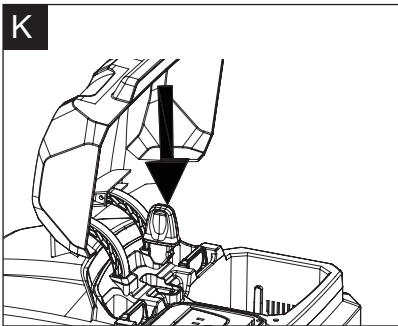
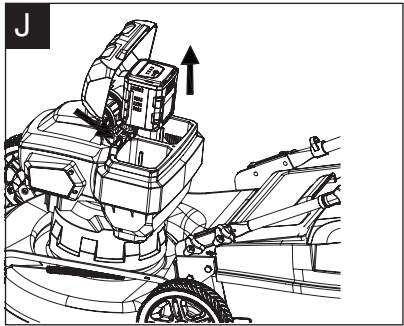
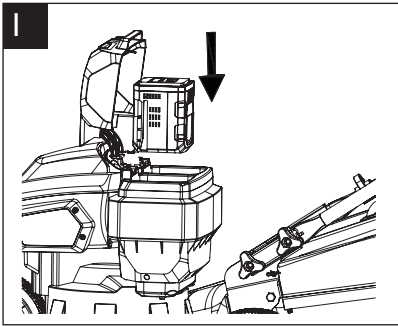


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PACKAGE CONTENT LIST

Parts description (Fig. A)

1. Start/stop lever
2. Safety button
3. Switch box
4. Handle knob
5. Grass catcher
6. Cutting height adjustment lever
7. Rear wheel
8. Upper handle
9. Lower handle
10. Battery compartment
11. Front wheel
12. Safety key

PACKAGE CONTENT LIST

- a. Mower
- b. Grass catcher
- c. Mulching plug
- d. Upper handle
- e. Handle knob
- f. Handle knob
- g. Cable clip
- h. Instruction manual

- Remove all packing materials
- Ensure all parts on the content list are present
- Check the mower and all accessories for transportation damages



WARNING: Packing materials are not toys! Children must not play with plastic bags! Danger of suffocating!



If any parts are missing or damaged, please contact your dealer.

TECHNICAL SPECIFICATIONS

Model number	EV LM1-18
Rated voltage	60V
No-load cutting speed	3300 min ⁻¹
Cutting width	46 cm
Cutting height	15-80mm, 10 positions
Capacity of grass bag	50 L

INTENDED USE

This cordless lawn mower is designed for cutting and trimming hedges, bushes, and shrubs. It is designed for domestic use, it is not designed for commercial, trade, or industrial use.











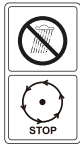






WARNING! Please read and understand this instruction manual before use and keep it for your future reference. Your power tool should only be passed on together with this instruction manual.



WARNING! To reduce the risk of injury, only use G-FORCE battery packs. Other types of battery packs may burst causing personal injury and damage. The battery pack must be recharged only with the G-FORCE battery charger.

SAFETY INFORMATION

The following symbols are used in this manual and/or on the Mower.

	Warning		Read the instruction manual before using the appliance
	Wear ear protection		Wear eye protection
	Wear protective footwear		Wear protective mask
	Wear protective gloves		Sound power level label
	WARNING - Beware of thrown objects Keep bystanders away		WARNING - Keep hands and feet away from the blades WARNING - Remove the disabling device (safety key) before maintenance
	WARNING - Disconnect battery before maintenance WARNING - Remove the disabling device before maintenance		Do not expose and operate the mower in wet condition Wait until the mower is completely stopped before maintenance
	Australian Regulatory Compliance Mark		Dispose of the appliance according to the regulations and requirements of your local council
	Do not throw the battery pack into water		Do not throw the battery pack on fire
	Do not subject the battery pack to strong sunlight over long periods of time. Do not leave on a heater (max. 45 °C)		Do not dispose of battery pack with your household refuse. Dispose of battery pack according to your local council's regulations and requirements.
	For indoor use only (charger)		Class II, double insulation (charger)
	Protective 5 A fuse limited		

GENERAL SAFETY WARNINGS



WARNING Read all safety warnings, instructions, illustrations and specifications provided with this power tool. Failure to follow all instructions listed below 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.

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.

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.

GENERAL SAFETY WARNINGS

- b) **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a 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 and clothing 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.
 - h) **Do not let familiarity gained from frequent use of tools allow you to become complacent and ignore tool safety principles.** A careless action can cause severe injury within a fraction of a second.
- 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 remove the battery pack, if detachable, 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 and accessories.** 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) Keep handles and grasping surfaces dry, clean and free from oil and grease.** Slippery handles and grasping surfaces do not allow for safe handling and control of the tool in unexpected situations.

5) Battery tool use and care

- a) 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.
- b) Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
- c) 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.
- d) 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.
- e) Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
- f) Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130 °C may cause explosion.
- g) Follow all charging instructions and do not charge the battery pack or tool outside the temperature range specified in the instructions.** Charging improperly or at temperatures outside the specified range may damage the battery and increase the risk of fire.

6) 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.
- b) Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.

7) Lawnmower safety warnings

- a) Do not use the lawnmower in bad weather conditions, especially when there is a risk of lightning.** This decreases the risk of being struck by lightning.
- b) Thoroughly inspect the area of wildlife where the lawnmower is to be used.** Wildlife may be injured by the lawnmower during operation.
- c) Thoroughly inspect the area where the lawnmower is to be used and remove all stones, sticks, wires, bones, and other foreign objects.** Thrown objects can cause personal injury.

GENERAL SAFETY WARNINGS

- d) **Before using the lawnmower, always visually inspect to see that the blade and the blade assembly are not worn or damaged.** Worn or damaged parts increase the risk of injury.
 - e) **Check the grass catcher frequently for wear or deterioration.** A worn or damaged grass catcher may increase the risk of personal injury.
 - f) **Keep guards in place. Guards must be in working order and be properly mounted.** A guard that is loose, damaged, or is not functioning correctly may result in personal injury.
 - g) **Keep all cooling air inlets clear of debris.** Blocked air inlets and debris may result in overheating or risk of fire.
 - h) **While operating the lawnmower, always wear non-slip and protective footwear.** Do not operate the lawnmower when barefoot or wearing open sandals. This increases the chance of injury to the feet from contact with the moving blade.
 - i) **While operating the lawnmower, always wear long trousers.** Exposed skin increases the likelihood of injury from thrown objects.
 - j) **Do not operate the lawnmower in wet grass.** Walk never run. This reduces the risk of slipping and falling which may result in personal injury.
 - k) **Do not operate the lawnmower on excessively steep slopes.** This reduces the risk of loss of control, slipping and falling which may result in personal injury.
 - l) **While working on slopes, always be sure of your footing, always work across the face of slopes, never up or down and excises extreme caution when changing direction.** This reduces the risk of loss of control, slipping and falling which may result in personal injury.
 - m) **Use extreme caution when reversing or pulling the lawnmower towards you.** Always be aware of your surroundings. This reduces the risk of tripping during operation.
 - n) **Do not touch blades and other hazardous moving parts while they are still in motion.** This reduces the risk of injury from moving parts.
 - o) **When clearing jammed material or cleaning the lawnmower, make sure all power switches are off and the battery pack is disconnected.** Unexpected operation of the lawnmower may result in serious personal injury.
- 8) **Safety instructions of the charger**
- a) **Use the charger only to charge a compatible G-FORCE battery.**
 - b) **Never attempt to charge non-rechargeable batteries.**
 - c) **Do not expose the charger to water.**
 - d) **Do not open the charger.**
 - e) **The charger 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 the use of the charger by a person responsible for their safety.**
 - f) **Children should be supervised to ensure that they do not play with the**

charger.

- g) The charger is for indoor use only.
- h) If the supply cord of the charger is damaged, it must be replaced by the manufacturer, its service agent or a similarity qualified person to avoid a hazard.

9) Safety instructions of the battery

- a) Do not dismantle, open or shred secondary cells or batteries.
- b) Do not expose cells or batteries to heat or fire. Avoid storage in direct sunlight.
- c) Do not short-circuit a cell or a battery. Do not store cells or batteries haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by other metal objects.
- d) Do not remove a cell or battery from its original packaging until required for use.
- e) Do not subject cells or batteries to mechanical shock.
- f) In the event of a cell leaking, do not allow the liquid to come in contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- g) Do not use any charger other than that specifically provided for use with the equipment.
- h) Observe the plus (+) and minus (-) marks on the cell, battery and equipment to ensure correct use.
- i) Do not use any cell or battery which is not designed for use with the equipment.
- j) Do not mix cells of different manufacture, capacity, size or type within a device.
- k) Battery usage by children should be supervised.
- l) Seek medical advice immediately if a cell or a battery has been swallowed.
- m) Always purchase the battery recommended by the device manufacturer for the equipment.
- n) Keep cells and batteries clean and dry.
- o) Wipe the cell or battery terminals with a clean dry cloth if they become dirty.
- p) Secondary cells and batteries need to be charged before use. Always use the correct charger and refer to the manufacturer's instructions or equipment manual for proper charging instructions.
- q) Do not leave a battery on prolonged charge when not in use.
- r) After extended periods of storage, it may be necessary to charge and discharge the cells or batteries several times to obtain maximum performance.
- s) Retain the original product literature for future reference.
- t) Use only the cell or battery in the application for which it was intended.
- u) When possible, remove the battery from the equipment when not in use.

- v) **Dispose of properly.**
- w) **The charging temperature is between the range of 5 °C to 50 °C.**

10) Residual risks

Additional residual risks may arise when using the mower which may not be included in the safety warnings. These risks can arise from misuse, prolonged use etc.

Even with the application of the relevant safety regulations and the implementation of safety devices, certain residual risks cannot be avoided. These included:

- a) **Injuries caused by touching any rotating/moving parts.**
- b) **Injuries caused when changing any parts, blades or accessories.**
- c) **Injuries caused by prolonged use of a tool. When using any tool for prolonged periods ensure you take regular breaks.**
- d) **Impairment of hearing.**
- e) **Health hazards caused by breathing dust developed when using your mower.**

ASSEMBLY

6.1 Assembling the handles(Fig. C and D)

- a) Attach the lower handle to the bracket with the handle knobs and nuts provided.
- b) Attach the upper handle to the lower handle using the handle knobs and nuts provided. Make sure the nuts pass through the insulating sleeve and the insulating sleeve is between the upper handle and the lower handle. Fix the cable throttle control cable to the handle with the cable clip.

6.2 Assembling the grass catcher(Fig. E, F and G)

- a) Press the grass catcher handle firmly into the square recesses on the grass catcher cover.
- b) Put the grass cover on the upper grass catcher. Aligning the lugs and slots and firmly press the grass cover onto the upper grass catcher.
- c) Put the upper grass catcher on top of the lower grass catcher. Aligning the lugs and slots, press them together until they are clicked into place securely.
- d) Lift the rear flap, take the mulching plug out if it is inside the mower.
- e) Hook the grass catcher onto the mower.
- f) Release the rear flap to secure the grass catcher in position.

6.3 Attaching the mulching plug(Fig. H)



Warning! Stop the engine before inserting or removing the mulching plug.

- a) Mulching is most effective if the mower's height setting is 4-10 (1 for lowest level and 10 for height level).
- b) Make sure the engine and the blade are stopped before inserting the mulching plug.
- c) Lift the rear flap and insert the mulching plug onto the baseplate.
- d) Press the mulching plug down so that it is rested on the support plate and its lugs are securely fixed on the rear cross member.
- e) Put down the rear flap and make sure that it is fully closed.

OPERATION



WARNING: The mower has a safety key in its battery compartment. The safety key is designed to prevent the mower from accidental start up. It will disable the mower if it is removed.



WARNING: After the mower is switched off, the blade will continue to run for several seconds. Do not touch the underside of the mower until the blade is completely stopped.



WARNING: The mower has built-in overload protection. The mower will stop when the mower is overloaded. The mower needs to be restarted after it is cool down.



WARNING: The battery pack will become hot during operation. The mower will stop if the battery pack's temperature exceeds 70 °C. The mower needs to be restarted after the battery is cool down.

7.1 Charging the battery pack (battery and charger sold separately)

- a) Connect the battery charger to the mains, the charger's red LED will illuminate indicating that the charger is connected to the power.
- b) Insert the battery pack into the charger.
- c) The charger's green LED will be flashing when it is charging the battery pack.
- d) When the battery pack is fully charged, the green LED of the charger will remain ON.
- e) The battery pack has four LED power indicators. Press the battery pack's power indicators button, the LED power indicators will illuminate to indicate the charging state for approximately 4 seconds.
 - 4 LED power indicators ON - Full state of charge
 - 2-3 LED power indicators ON - Mid state of charge
 - 0-1 LED power indicator ON - Low state of charge

7.2 Inserting and removing the battery pack (Fig, I, J and K)

- a) There are two battery compartments in the mower. The mower can run with one battery pack only. The mower can run longer with two battery packs
- b) To insert the battery back into the mower, open the cover of the

mower's battery compartment and push the battery pack into the battery compartment until it clicks into position.

- c) To remove the battery pack, press the battery pack's release button and pull the battery pack out at the same time.
- d) Insert the safety key.

7.3 Adjusting the cutting height (Fig. L)



Warning! Stop the engine before adjusting the cutting height.

- a) The cutting height has 10 settings, ranging from 15 mm to 80 mm.
- b) Pull the cutting height adjusting handle out and move it to the desired cutting height notch.

7.4 Switching on and off (Fig. M)

- a) To switch on the mower, pull the start/stop lever towards the handle first, then press and hold the safety button on the switch box until the motor starts. When the motor starts, hold onto the start/stop lever and release the safety button.
- b) Release the start/stop lever to switch off the mower.
- c) Remove the safety key from the mower can disable the mower in emergency.

CLEANING, MAINTENANCE AND STORAGE



WARNING: Always remove the battery pack from the mower, wait until the blade is completely stopped before performing any cleaning and maintenance work.



WARNING: This mower shall only be repaired by an authorised service centre.



WARNING: Always wear protective gloves when handling the blade.

8.1 Cleaning

- a) Use a soft brush to remove the dust and debris from the mower.
- b) Keep the cutting blade free of debris.
- c) Empty the grass catcher when it is full or after each mowing.
- d) Never use solvents such as petrol, alcohol, ammonia water etc. These solvents may damage the plastic parts.

Maintenance

- a) Keep all the nuts, bolts and screws tight.
- b) Check the mower for any worn or damaged parts before operation.
- c) Removing and installing the blade (Fig. N)
 - i To remove the blade, hold the blade firmly and loosen the blade bolt nut by turning it clockwise. Then, remove the blade bolt, washer and blade.
 - ii To reinstall the blade, put the blade onto the blade bolt nut and align the lugs. Tighten the blade bolt nut with the correct torque of 20 Nm. Do not overtighten.

Note: Put one end of a piece of timber under the blade will assist in holding the blade while removing or tightening the blade bolt.

- d) The mower should only be repaired by an authorised service centre.

Storage

- a) Thoroughly clean the mower, remove the battery pack from the mower and charger before storage.
- b) Store the mower, battery and charger out of the reach of children in a dry and secure place.

DISPOSAL



Dispose of appliances according to the regulations and requirements of your local council. If appliances are disposed of in landfills or dumps, hazardous substances may leak into the groundwater and get into the food chain, damaging your health and well-being.

TROUBLESHOOTING

Problem	Possible cause	Possible solution
Cannot start	Safety key is not inserted	Insert the safety key
	Battery pack is not inserted properly	Reinstall the battery pack
	Battery pack is not charged	Charge the battery pack
Stops working	Mower is overloaded	Clear the debris from the blade and do not cut grass that's too high
	Restart the mower when the mower is cool down	Remove the air hose from the compressor and fix the leaks.
Grass catcher is not filling	Cutting height is too low	Adjust the cutting height
	The grass is wet	Wait till the grass is dry before mowing
	Underside of the mower deck is clogged	Clean the underside of the mower deck
Uneven mowing results	Blade is blunt	Replace the blade
	Cutting height is too low	Set the cutting height higher
Vibrating	Cutting blade is unbalanced	Balance the blade
	Blade is loosen	Tighten the blade bolt nut and install the blade properly
	Blade is not properly installed	Reinstall the blade properly

WARRANTY

This product is covered by a 2 year parts and labour warranty against manufacturing defects.

Our goods come with guarantees that cannot be excluded under the Australian Consumer Law.

You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

- (i) where this product has been subjected to misuse, abuse, accident or want of care;
- (ii) where this product has been used for a purpose for which it was not designed or is not suited;
- (iii) where the service of this product has been undertaken by a non-authorized person or company or if non-approved parts have been used;
- (iv) where this product has been used for trade, industrial or commercial purposes.

In order to obtain warranty service, the purchaser must present the store receipt showing the name of the retailer and the date of purchase.

The period of the warranty begins from the original date of purchase, notwithstanding any subsequent repair or parts replacement.

Purchaser shall be responsible for all transport charges to and from the Authorised Service Centre.

Damage in transit is not covered by this warranty. The purchaser should remove from the product any liquids (if applicable) before sending the product for service or repair.

The product should be packed securely to prevent damage.

WARRANTY EXCLUSIONS

Wear parts or service related parts required when performing normal and regular maintenance of this product are not covered by warranty unless it is found to be defective by an Authorised Service Centre.