

**EN ORIGINAL INSTRUCTIONS**

**IMPORTANT** - These instructions are for your safety. Please read through them thoroughly prior to handling the product and retain them for future reference.



V10323\_5063022106117\_MAND1\_2223

**EN Cordless Blower Vacuum 36 V**

**MBV36-Li**

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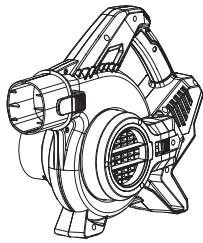
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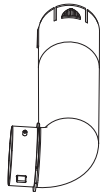
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## EN Parts



01. x1



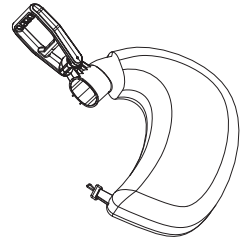
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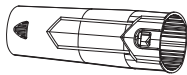
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04. x1



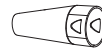
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06. x1



07. x1



08. x1

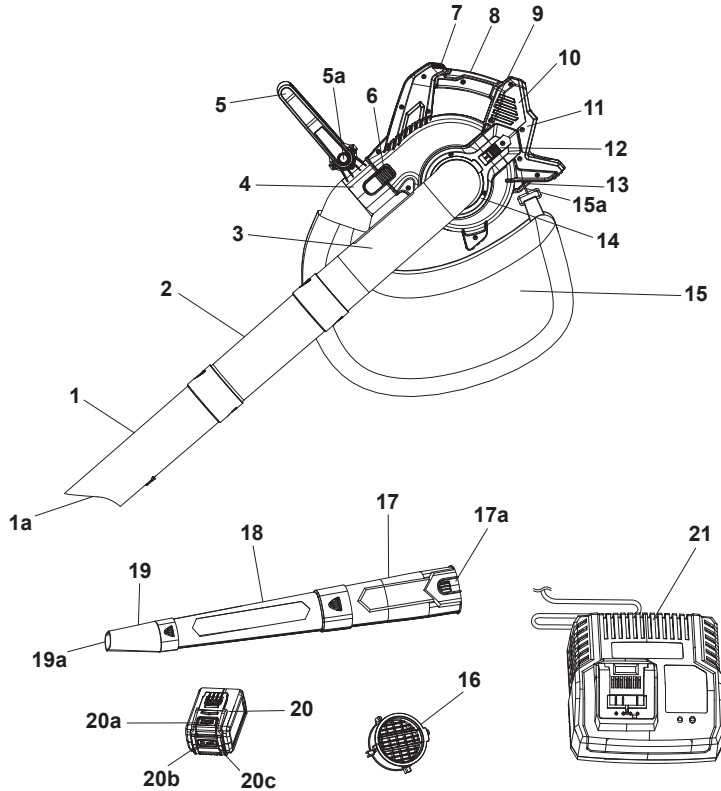
## EN You will need



## EN Contents

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# EN Product description



- |                                  |                               |                                |
|----------------------------------|-------------------------------|--------------------------------|
| 1. Lower vacuum tube             | 7. On/off switch / Speed dial | 17. Upper blower tube          |
| a. Nozzle                        | 8. Main handle                | a. Location hole               |
| b. Location hole* (x2)           | 9. Air vents                  | b. Latch* (x2)                 |
| 2. Middle vacuum tube            | 10. Motor housing             | 18. Middle blower tube         |
| a. Latch* (x2)                   | a. Motor*                     | a. Location hole* (x2)         |
| b. Sliding pin*                  | 11. Battery docking port      | b. Latch* (x2)                 |
| c. Location hole* (x2)           | 12. Snap-in button            | 19. Lower blower tube          |
| 3. Upper vacuum tube             | 13. Hanging loop              | a. Location hole* (x2)         |
| a. Latch* (x2)                   | 14. Vacuum port               | b. Flat nozzle                 |
| b. Sliding pin*                  | 15. Collection bag            | 20. Battery pack               |
| c. Connection part*              | a. Securing clip              | a. Release button              |
| 4. Blower / Collection bag port* | b. Zipper*                    | b. Battery capacity button     |
| 5. Front handle                  | c. Location hole*             | c. Battery capacity indicators |
| a. Locking knob                  | 16. Impeller wheel cover      | 21. Charger                    |
| 6. Locking knob                  | a. Spigot* (x4)               |                                |

**i** **NOTE:** Parts marked with \* are not shown in this overview. Please refer to the respective part in the instruction manual.



### General power tool 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.*

### 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.*

### 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.*

## **Personal safety**

- a) **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication.** *A moment of inattention while operating power tools may result in serious personal injury.*
- b) **Use personal protective equipment. Always wear eye protection.** *Protective equipment such as dust mask, non-skid safety shoes, hard hat, or hearing protection used for appropriate conditions will reduce personal injuries.*
- c) **Prevent unintentional starting. Ensure the switch is in the off-position before connecting to power source, 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.*

## **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.**

## **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 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.*

## Service

- a) **Have your power tools serviced by a qualified repair person using only identical replacement parts.** *This will ensure that 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.*

## Safety instructions for garden blower / vacuum Training

- a) Read the instructions carefully. Be familiar with the controls and the proper use of the product.
- b) Never allow children, persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge or people unfamiliar with these instructions to use the product. Local regulations may restrict the age of the operator.
- c) Keep in mind that the operator or user is responsible for accidents or hazards occurring to other people or their property.

## Preparation

- a) Obtain ear protection and safety glasses. Wear them at all times while operating the product.
- b) While operating the product, always wear substantial footwear and long trousers. Do not operate the product when barefoot or wearing open sandals. Avoid wearing clothing that is loose fitting or that has hanging cords or ties.
- c) To prevent dust irritation the wearing of a face mask is recommended.
- d) Do not wear loose clothing or jewellery that can be drawn into the air inlet. Keep long hair away from the air inlets.



- e) Operate the product in a recommended position and only on a firm, level surface.
- f) Do not operate the product on a paved or gravel surface where ejected material could cause injury.
- g) Before using, always visually inspect to see that the bolts and other fasteners are secure, the housing is undamaged and that guards and screens are in place. Replace worn or damaged components in sets to preserve balance. Replace damaged or unreadable labels.
- h) Never operate the product while people, especially children, or pets are nearby.



**CAUTION!** Do not touch a rotating impeller fan.

## Operation

- a) Before starting the product, make certain that the feeding chamber is empty.
- b) Keep your face and body away from the feed intake opening.
- c) Do not allow hands or any other part of the body or clothing inside the feeding chamber, discharge chute, or near any moving part.
- d) Keep proper balance and footing at all times. Do not overreach. Never stand at a higher level than the base of the product when feeding material into it.
- e) Always stand clear of the discharge zone when operating this product.
- f) When feeding material into the product be extremely careful that pieces of metal, rocks, bottles, cans or other foreign objects are not included.
- g) If the cutting mechanism strikes any foreign objects or if the product should start making any unusual noise or vibration, immediately shut off the power source and allow the product to stop. Remove the battery pack and take the following steps before restarting and operating the product:
  - Inspect for damage;
  - Replace or repair any damaged parts;
  - Check for and tighten any loose parts.

- h) Do not allow processed material to build up in the discharge zone; this may proper discharge and can result in kickback of material through the intake opening.
- i) If the product becomes clogged, shut-off the power source and remove the battery pack before cleaning debris.
- j) Never operate the product with defective guards or shields, or without safety devices, for example debris collector in place.
- k) Keep the air vents clean of debris and other accumulations to prevent damage to the power source or possible fire.
- l) Do not transport this product while the motor is running.
- m) Stop the product and remove the battery pack. Make sure that all moving parts have come to a complete stop
  - whenever you leave the product,
  - before clearing blockages or unclogging chute,
  - before checking, cleaning or working on the product,
  - after striking a foreign object to inspect the product for damage,
  - if the product starts to vibrate abnormally, for immediate check.
- n) Operate the product only in daylight or in good artificial light.
- o) Always be sure of your footing on slopes.
- p) Walk, never run.
- q) Keep all cooling air inlets clear of debris.
- r) Never blow debris in the direction of bystanders.
- s) Do not tilt the product while the motor is running.

## **Recommendations for operation**

- a) Operate the product only at reasonable hours - not early in the morning or late at night when people might be disturbed.
- b) Use rakes and brooms to loosen debris before blowing / vacuuming.
- c) Slightly dampen surfaces in dust conditions or use mister attachment.
- d) Use the full blower nozzle extension so the air stream can work close to the ground.

## Maintenance and storage

- a) Keep all nuts, bolts and screws tight to be sure the product is in safe working condition.
- b) Check the debris collector frequently for wear or deterioration.
- c) Use only genuine replacement parts and accessories.
- d) When the product is stopped for servicing, inspection, or storage, or to change an accessory, shut off the power source, remove the battery pack and make sure that all moving parts are come to a complete stop. Allow the product to cool before making any inspections, adjustments, etc. Maintain the product with care and keep it clean.
- e) Always allow the product to cool before storing.
- f) When servicing the impeller wheel be aware that, even though the power source is switched off due to the interlock feature of the guard, the impeller wheel can still be moved.
- g) Replace worn or damaged parts for safety. Use only genuine replacement parts and accessories.
- h) Never attempt to override the interlocked feature of the guard.
- i) When not in use, store the product in a dry place out of the reach of children.

## Additional safety warnings

- a) Do not touch moving hazardous parts before the product is disconnected from the battery pack and the moving hazardous parts have come to a complete stop.
- b) Switch-off the product before attaching or removing the collection bag.
- c) Do not operate the product near open windows, etc.
- d) Do not blow hard objects such as nails, bolts, or rocks.
- e) Apply extra care when cleaning debris from stairs or other tight areas.
- f) Keep all parts of your body away from the suction/blowing device. Do not remove blockages or jams when the product is switched on. Make sure the switch is off when clearing jammed material. One moment of inattentiveness while operating the product may result in serious personal injury.

- g) Carry the product by the handle with the motor off. Handling the product properly reduces the possibility of personal injury.
- h) Never use the product standing on steps or a ladder. Do not work above shoulder height.
- i) If the product starts to vibrate abnormally, check it immediately. Excessive vibration can cause injury.
- j) Always ensure the product is fully assembled before using it. Never attempt to use an incomplete product or one fitted with an unauthorised modification.
- k) Check the suction/blowing device regularly for damage, and if damaged repair immediately.
- l) Do not overload the product.
- m) Follow the maintenance and repair instructions for this product. Never carry out any modifications to the product. Information about maintenance and repair is provided in this user manual.

## **Additional safety warnings for battery pack**

- a) **Battery pack needs to be charged before use.** *Always refer to the charger's instruction and charge it properly.*
- b) **Remove the battery pack from the product when not in use.**
- c) **Don't maintain the battery pack on the charger when not in use.**
- d) **After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain the maximum performance.**
- e) **Longer life and better performance can be obtained if the battery is charged when the air temperature is between 18°C and 24°C.** *Do not charge the battery in air temperature below 5°C or above 40°C. This is important as it can prevent serious damage to the battery.*
- f) **Do not charge battery in a damp or wet location.** *Following this rule will reduce the risk of electric shock.*
- g) **Do not disassemble the battery and avoid mechanical damage to the battery. Risk of short circuit and fumes may be emitted.** *Ensure fresh air and seek medical assistance in the event of discomfort.*

- h) When disposing of battery pack, keep the battery pack of different electrochemical systems separate from each other.**

## **Health surveillance**

All employees should be part of an employer's health surveillance scheme to help identify any vibration related diseases at an early stage, prevent disease progression and help employees stay in work.

## **Vibration and noise reduction**

**To reduce the impact of noise and vibration emission, limit the time of operation, use low-vibration and low-noise operating modes as well as wear personal protective equipment.**

Take the following points into account to minimise the vibration and noise exposure risks:

- a) Only use the product as intended by its design and these instructions.
- b) Ensure that the product is in good condition and well maintained.
- c) Use correct attachments for the product and ensure they are in good condition.
- d) Keep tight grip on the handles/grip surface.
- e) Maintain this product in accordance with these instructions and keep it well lubricated (where appropriate).
- f) Plan your work schedule to spread any high vibration tool use across a longer period of time.
- g) Prolonged use of the product exposes the user to vibrations that can cause a range of conditions collectively known as hand-arm vibration syndrome (HAVS) e.g. fingers going white; as well as specific diseases such as carpal tunnel syndrome. To reduce this risk when using the product, always wear protective gloves and keep your hands warm.

# Emergency

Familiarise yourself with the use of this product by means of this instruction manual. Memorise the safety directions and follow them to the letter. This will help to prevent risks and hazards.

- a) **Always be alert when using this product, so that you can recognise and handle risks early.** *Fast intervention can prevent serious injury and damage to property.*
- b) **Switch off and disconnect from the power supply if there are malfunctions.** *Have the product checked by a qualified professional and repaired, if necessary, before you operate it again.*

# Residual risks

Even if you are operating this product in accordance with all the safety requirements, potential risks of injury and damage remain. The following dangers can arise in connection with the structure and design of this product:


- a) Health defects resulting from vibration emission if the product is being used over long periods of time or not adequately managed and properly maintained.
- b) Injuries and damage to property due to broken attachments or the sudden impact of hidden objects during use.
- c) Danger of injury and property damage caused by flying objects.



**WARNING!** This product produces an electromagnetic field during operation! This field may under some circumstances interfere with active or passive medical implants! To reduce the risk of serious or fatal injury, we recommend persons with medical implants to consult their doctor and the medical implant manufacturer before operating this product!

# Symbols

On the product, the rating label and within these instructions you will find among others the following symbols and abbreviations. Familiarise yourself with them to reduce hazards like personal injuries and damage to property.

V 	Volt, (direct current voltage)	mAh	Milliampere per hour
V~	Volt, (alternating voltage)	Hz	Hertz
W	Watt	°C	Degree Celsius
/min or min <sup>-1</sup>	Per minute	g	Gram
kg	Kilogram	mm	Millimetre
m	Metre	km	Kilometre
/h	Per hour	L	Litre
dB(A)	Decibel (A-rated)	m/s <sup>2</sup>	Metres per second squared



Lock / to tighten or secure.



Unlock / to loosen.



Read the instruction manual.



Note / Remark.



Caution / Warning.

yyWxx

Manufacturing date code; year of manufacturing (20yy) and week of manufacturing (Wxx).



Always wear hearing protection.



Always wear eye protection.



Wear a dust mask.



Wear face shield.



Wear protective gloves.



Wear protective, slip-resistant footwear.



Wear tight-fitted protective clothes.



Switch the product off and remove battery pack before assembly, cleaning, adjustments, maintenance, storage and transportation.



Protection class II (Double insulation), only for charger.



This product is of protection class III.



Do not expose the product to rain or wet conditions (moisture).



Keep bystanders away!

Objects thrown by the product could hit the user or other bystanders. Always ensure that other people and pets remain at a safe distance from the product when it is in operation. In general, children must not come near the area where the product is.



Danger of rotating parts. Keep hands away from blowing device! Danger of injuries.



Guaranteed sound power level value in 104 dB.



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



Crossed out dust bin. Batteries and battery packs should not be disposed of with household waste. Please recycle where facilities exist. Check with your Local Authority or local store for recycling advice.



Do not dispose of battery packs in rivers or immerse in water.





Do not dispose of battery packs in fire. They will explode and cause injury.



Do not expose battery packs to heat in excess of 40 °C. Do not charge or store the battery pack in temperatures below 5 °C (41 °F) and above 40 °C (104°F).



The product complies with the applicable European directives and an evaluation method of conformity for these directives was done.



UK Conformity Assessed.

## Rating label explanation

### Garden Blower Vacuum: MBV36-Li / TTBC36-Li

M = Brand name (MAC Allister) / TT = Brand Name (Titan)

BV = Blower Vacuum / BC = Blower Vacuum

36 = Rated voltage (V) / 36 = Voltage (36V)

Li = Lithium-Ion / Li = Lithium ion

### Battery pack: MDVB36-4 / TTB812BAT

M = Brand name (MAC Allister) / TTB = Titan

DVB = Dual voltage battery / 812 = Sequential Code

36 = Battery output voltage (V) / BAT = Battery

4 = Battery capacity (Ah)

### Charger: MFC36 / TTB815CHR

M = Brand name (MAC Allister) / TTB = Titan

FC = Fast charger / 815 = Sequential Code

36 = Battery output voltage / CHR = Charger

## EN Technical specifications



### General :

- > **Rated voltage** : 36 V
- > **Rated no load speed  $n_0$**  : 8000-16000 min<sup>-1</sup>
- > **Collection bag capacity** : 25 L
- > **Max. suction volume** : 10.6 m<sup>3</sup>/min
- > **Max. air speed** : 223 km/h
- > **Mulching ratio** : 10:1
- > **Degree of protection** : IP20
- > **Weight** : approx. 3.7 kg
- > **Dimensions** : approx. 1220 x 340 x 270 mm

**Battery pack:**

- > **Model no.** : MDVB36-4 / TTB812BAT
- > **Capacity** : 8000/4000 mAh
- > **Voltage** : 18/36 V 
- > **Weight** : approx. 1.02 kg

**Charger :**

- > **Model no.** : MFC36 / TTB815CHR
- > **Rated input voltage** : 220-240 V~, 50/60 Hz
- > **Rated input power** : 190 W
- > **Rated output voltage** : 21 V 
- > **Rated output current** : 8 A
- > **Protection class** : II / 
- > **Weight** : approx. 690 g
- > **Ambient temperature range for charger and battery use** : 5°C to 40°C

**Sound values**

- > **Sound pressure level  $L_{pA}$**  : 88.5 dB(A)
- > **Uncertainty  $K_{pA}$**  : 3 dB(A)
- > **Sound power level  $L_{WA}$**  : 101.99 dB(A)
- > **Uncertainty  $K_{WA}$**  : 1.52 dB(A)
- > **Guaranteed sound power level  $L_{WA}$**  : 104 dB(A)

**Hand arm vibration values :**

- 3.743 m/s<sup>2</sup> MAX
- > **Uncertainty K** : 1.5 m/s<sup>2</sup>

The sound value(s) have been determined according to noise test code given in EN 60335-1 and EN 50636-2-100, using the basic standards EN ISO 11094 and EN ISO 3744.

The sound intensity level for the operator may exceed 80 dB(A) and ear protection measures are necessary.

The declared total vibration value(s) and the declared noise emission value(s) have been measured in accordance with a standard test method and may be used for comparing one tool with another;

The declared total vibration value(s) and the declared noise emission value(s) may also be used in a preliminary assessment of exposure.



**WARNING!** The vibration and noise emission during actual use of the power tool can differ from the declared total value depending on the ways in which the tool is used especially what kind of workpiece is processed;

The need to identify safety measures to protect the operator that are based on an estimation of exposure in the actual conditions of use (taking account of all parts of the operating cycle such as the times when the tool is switched off and when it is running idle in addition to the trigger time).

# EN Before you start

## Unpacking

1. Unpack all parts and lay them on a flat, stable surface.
2. Remove all packing materials and shipping devices if applicable.
3. Make sure the delivery contents are complete and free of any damage. If you find that parts are missing or show damage do not use the product but contact your dealer. Using an incomplete or damaged product represents a hazard to people and property.
4. Ensure that you have all the accessories and tools needed for assembly and operation. This also includes suitable personal protective equipment.



**WARNING!** The product and the packaging are not children's toys! Children must not play with plastic bags, sheets and small parts! There is a danger of choking and suffocation!

## You will need

### (items not supplied)

Suitable personal protective equipment

### (items supplied)

Vacuum tube assembly (1,2, 3)

Blower tube assembly (17, 18, 19)

Collection bag (15)

Battery pack (20)

Charger (21) and its manual



**NOTE:** The accessories required depend on the intended application. Ask your dealer for advice.

## Assembly



**WARNING!** The product must be fully assembled before operation! Do not use a product that is only partly assembled or assembled with damaged parts!



Follow the assembly instructions step-by-step and use the pictures provided as a visual guide to easily assemble the product!



Before using the product, familiarise yourself with the operating features read the entire instruction manual paying particular attention to the safety rules and operating procedures.

Do not connect the product to battery pack (20) before it is completely assembled!

## Blower tube assembly

1. Align and insert the upper blower tube (17) into the middle blower tube (18) all the way to the stop. Ensure that the two latches (17b) engage in the location holes (18a) (Fig. 1, step 1).
2. Align and insert the lower blower tube (19) into the middle blower tube (18) all the way to the stop. Ensure that the two latches (18b) engage in the location holes (19a) (Fig. 1, step 2).
3. Press the right side of the locking knob (6) and hold it in place, then insert blower tube assembly into the blower port (4) all the way to the stop. Release the locking knob (6) afterward. Ensure that the locking button (6) engages in the location hole (17a) (Fig. 1, steps 3, 4).
4. Ensure that the impeller wheel cover (16) snaps in place so that the built-in switch will be activated for blowing operation.

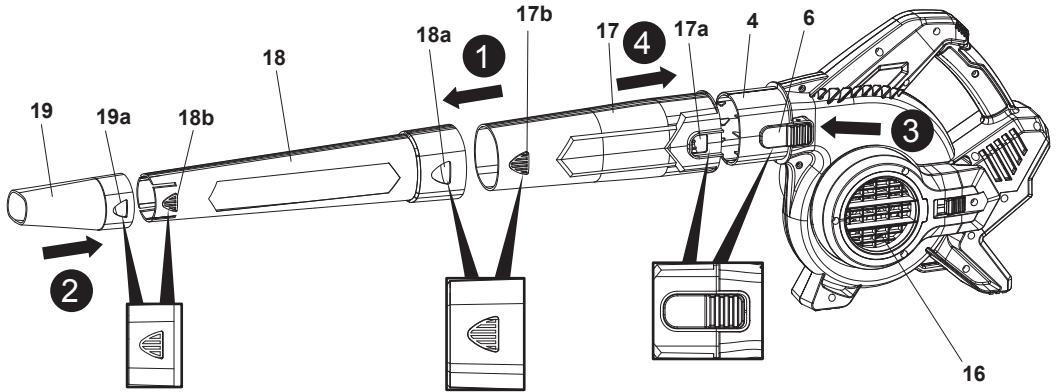


Fig. 1



**NOTE:** To detach the blower tube assembly from the blower port (4), depress the right side of the locking knob (6) and hold it in place, then pull the blower tube assembly out from the blower port (4).

## Vacuum tube assembly

1. Align the slot of the middle vacuum tube (2) with the sliding pin (3b) of the upper vacuum tube (3) and insert it all the way to the stop (Fig. 2, step 1). Ensure that the two latches (3a) engage in the location holes (2c).
2. Align the slot of the lower vacuum tube (1) with the sliding pin (2b) of the middle vacuum tube (2) and insert it all the way to the stop (Fig. 2, step 2). Ensure that the two latches (2a) engage in the location holes (1b).
3. Push forward the snap-in button (12) and hold it in place, then pull off the impeller wheel cover (16). Store impeller wheel cover in a safe place to avoid loss (Fig. 3).

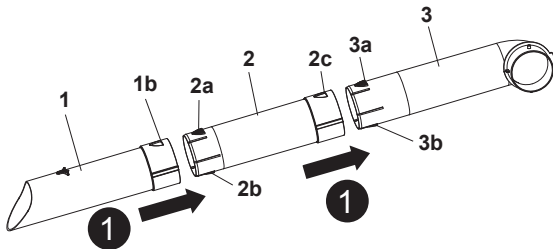


Fig. 2

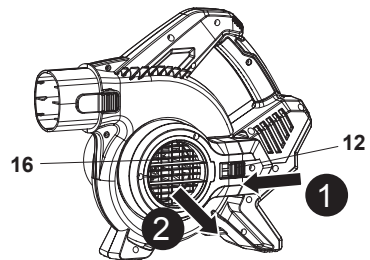


Fig. 3

4. Align the four spigots of the connection part (3c) with the slots of the vacuum port (14) and insert the vacuum tube assembly to the vacuum port (14) all the way to the stop with an audible click. Ensure that the snap-in button (12) is properly engaged so that the built-in switch will be activated (Fig. 4).

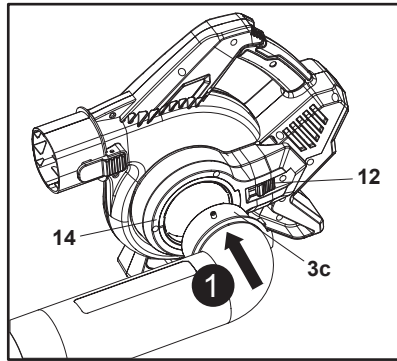


Fig. 4

5. Press the right side of the locking knob (6) and hold it in place, then insert the collection bag (15) into the collection bag port (4) all the way to the stop. Release the locking knob (6) afterward. Ensure that the locking button (6) engages in the location hole (15c) (Fig. 5, step 1).
6. Attach the securing clip (15a) to the hanging loop (13) (Fig. 5, step 2).
7. The collection bag (15) is ready for use.

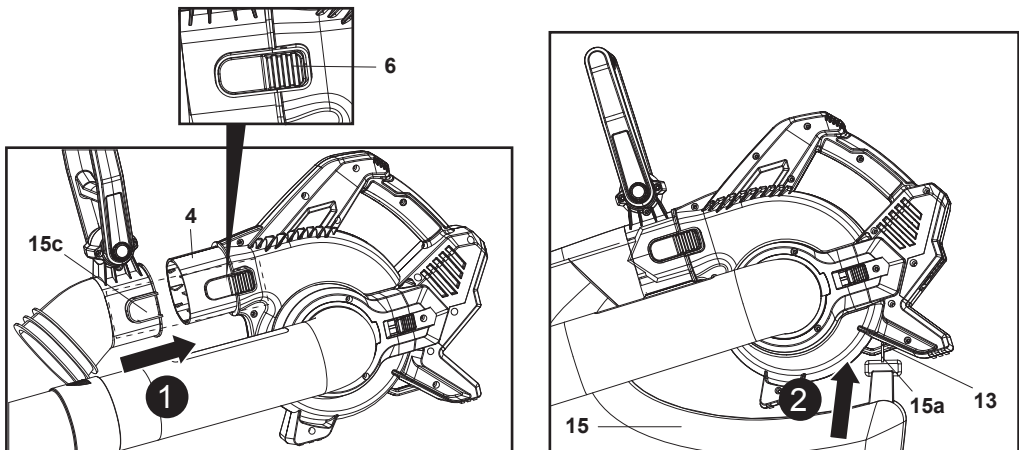


Fig. 5



**NOTE:** Pay attention to the alignment of the tubes. In particular observe the orientation of the plug-in connection.

To detach the vacuum tube assembly from the vacuum port (14), push forward the snap-in button (12) and hold it in place, then pull off the vacuum tube assembly.

## Battery pack

### Attaching / releasing the battery pack

1. Ensure that the on/off switch (7) is at "0" position and the tool is switched off.
2. Align the battery pack (20) with the sliding slots of the battery docking port (11) and slide the battery pack (20) in to attach it. Ensure it clicks in place (Fig. 6).
3. Press the release button (20a) and remove the battery pack (20) from the battery docking port (11) (Fig. 7).

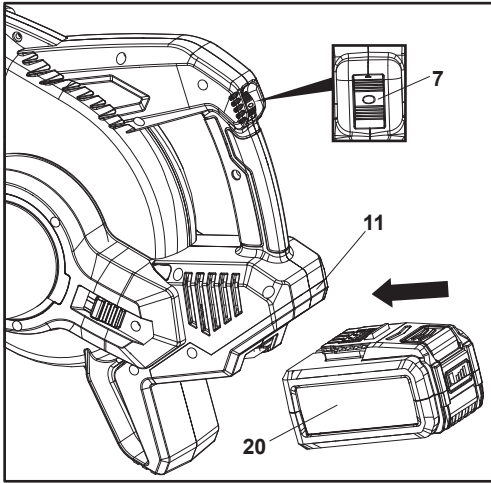


Fig. 6

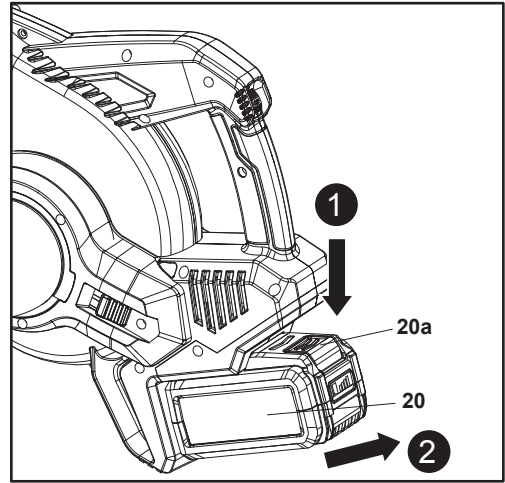


Fig. 7

### Charging the battery pack

The battery pack (20) for this product has been shipped in a low charge condition. Charge it fully before first use.

Refer to the charger's instruction manual (MFC36) for the details.

### Battery capacity indicators

The battery pack (20) is equipped with the battery capacity indicators (20c) which are used to give an indication of the battery pack's remaining capacity. Press the battery capacity button (20b) to check battery capacity (Fig. 8). The LEDs will stay lit for approximately 5 seconds.

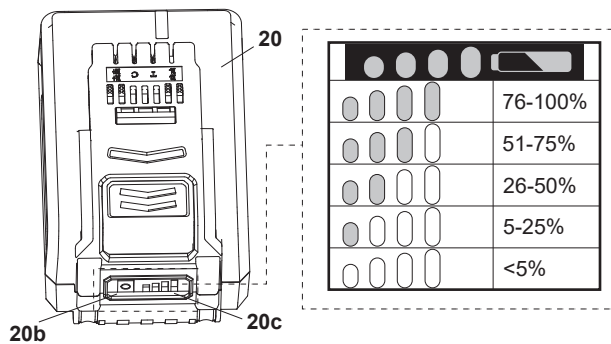


Fig. 8

## Intended use

This cordless blower vacuum MBV36-Li / TTBC36-Li is designated with a rated voltage of 36 V  $\overline{\text{---}}$ . It is designed only to be used with the battery pack which is listed in the chapter of “Technical specifications”.

The product is intended for:

- Blowing dry leaf material to pile it up ready for collection or to blow similar material out of areas which are hard to reach with the blower tube assembly.
- Vacuuming dry leaves with the vacuum tube assembly and collection bag (15).

The product may only be used with the blowing / suction tube fully installed. Avoid wet materials such as leaves and dirt, twigs, branches, pine needles, grass, earth, sand, mulch, cuttings etc. Do not use on wet lawns, grassy areas or fields.

For safety reasons it is essential to read the entire instruction manual before first operation and to observe all the instructions therein.

This product is intended for private domestic use only, not for any commercial trade use. It must not be used for any purposes other than those described.

## Auxiliary handle adjustment

Adjust the angle of the front handle (5) to fit the intended application.

1. Press down the locking knob (5a) and hold it in position, then rotate the front handle (5) forward and backward to adjust the angle (Fig. 9, steps 1, 2).
2. Release the lock button (5a), and continue to gently move the front handle (5) until it locks in place. Ensure the tooth system locks in place.

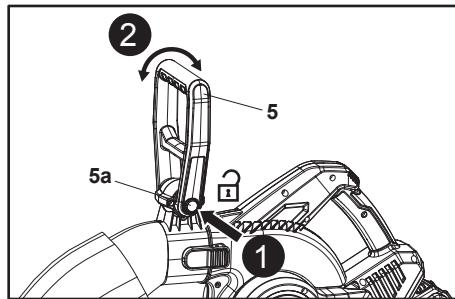


Fig. 9

## Switching on/off and speed dial

This product can only be operated in continuous mode.

1. Switch the product on: Turn the on/off switch / speed dial (7) downward to display the “1” positon.
2. Continue to turn on/off switch / speed dial (7) downward to increase the maximum speed (Fig. 10).



**NOTE:** Limit the maximum speed using the speed dial (7). The speed is continuously adjustable with the following levels:

**1 ||| 2 ||| 3 ||| 4 ||| 5**

3. Switch the product off: Turn the on/off switch / speed dial (7) upward to display the “0” positon.

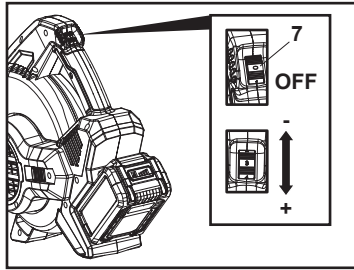


Fig. 10



**WARNING!** The motor / fan will continue to run for some time even after the motor has been switched off!

Wait until it comes to a complete stop before putting the product down!

## EN Operation

### General operation

1. Double check that the accessories and attachments are properly fixed.
2. Always hold the product by its handle(s) (5, 7). Keep the handle(s) dry and clean to ensure safe support.
3. Ensure that the air vents (9) are always unobstructed and clear. Clean them if necessary with a soft brush. Blocked air vents may lead to overheating and damage the product.
4. Switch the product off immediately if you are disturbed while working by other people entering the working area. Always let the product come to complete stop before putting it down.
5. Do not overwork yourself. Take regular breaks to ensure you can concentrate on the work and have full control over the product.
6. Before operation, loosen leaves that are stuck to the ground using a broom or rake.
7. Before switching the product on, check whether it has been assembled correctly and all the moving parts are running smoothly!
8. While working, ensure that the product does not strike hard objects, as this can cause damage.
9. Do not blow any solid bodies such as stones, branches or pieces of branch, fir cones or similar.
10. We recommend slightly dampening surfaces in dusty conditions or using a mister attachment.

### Operating hours

Only operate the product at reasonable hours - not early in the morning, late at night or on weekends / public holidays when people might be disturbed. Inform yourself about local restrictions.

### Collection bag

1. Always operate the product with the collection bag (15) attached when vacuuming.
2. Inspect the collection bag (15) each time before use. Do not use it if you detect any damage.
3. Empty frequently during use. Do not wait until the collection bag (15) is completely full. We recommend emptying it when it is half full.



**NOTE:** A full collection bag reduces the performance of this product.

4. Switch the product off and remove the battery pack (20) from the product.
5. Open the collection bag (15) by its zipper (15b) and empty the clippings onto a compost heap.
6. Close the zipper (15b) before continuing operation.



## Blowing

1. Make sure that the battery pack (20) is assembled before operation.
2. Before blowing, loosen leaves that are stuck to the ground using a broom or rake.
3. Always hold the product by the main handle (8).
4. Hold the tube approximately 10 cm above the ground and walk slowly forward using a sweeping motion from side to side (Fig. 11).

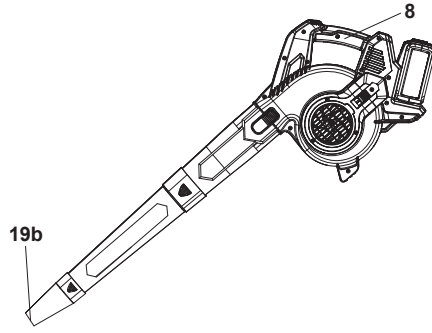
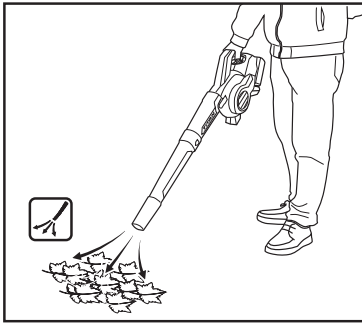


Fig. 11

5. Direct the air stream away from yourself.
6. Ensure that you do not stir up any heavy objects and hurt somebody or damage something.

## Vacuating

1. Make sure that the battery pack (20) is assembled before operation.
2. Always hold the product by the main handle (8) and the front handle (5).
3. Guide the nozzle (1a) along the ground (Fig. 12).

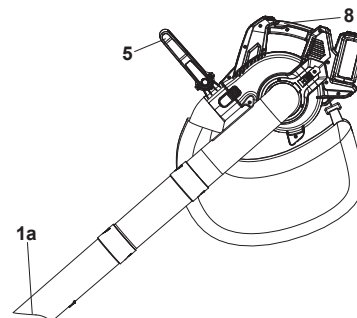
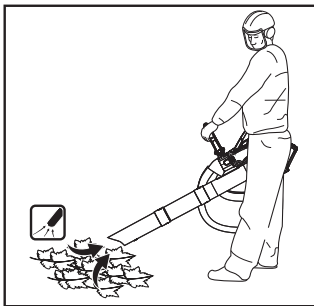


Fig. 12

4. The leaves will be sucked up into the tube and deposited into the collection bag (15).
5. Make sure the volume of leaves sucked in at one time is not too large. This will avoid clogging the tube and blocking the impeller wheel.



**WARNING!** Switch the product off and remove the battery pack (20) if it stops suddenly during operation and does not produce any suction. Refer to the section "Care and maintenance -> Removing blockages".

## After use

1. Switch the product off, remove the battery back (20) and let it cool down.
2. Check, clean and store the product as described below.

### The golden rules for care



**WARNING!** Always switch the product off, remove the battery pack (20) and let the product cool down before performing inspection, maintenance and cleaning work!

1. Keep the product clean. Remove debris from it after each use and before storage.
2. Regular and proper cleaning will help ensure safe use and prolong the life of the product.
3. Inspect the product before each use for worn and damaged parts. Do not operate it if you find broken and worn parts.



**WARNING!** Only perform repairs and maintenance work according to these instructions! All further works must be performed by a qualified specialist!

### General cleaning

1. Clean the product with a damp cloth and pH-neutral soap. Use a brush for areas that are hard to reach.
2. In particular clean the air vents (9) after every use with a cloth and brush.
3. Remove stubborn dust with high pressure air (max. 3 bar).



**NOTE:** Do not use chemical, alkaline, abrasive or other aggressive detergents or disinfectants to clean this product as they might be harmful to its surfaces.

4. Check for any damage and wear. Repair damage in accordance with this instruction manual or take it to an authorised service centre before using the product again.

### Maintenance

Before and after each use, check the product and accessories (or attachments) for wear and damage. If required, exchange them for new ones as described in this instruction manual. Observe the technical requirements.

### Removing blockages



**WARNING!** Wear protective gloves when removing blockages! Use proper tools to remove debris, e. g. a wooden stick! Never use your bare hands!

1. Place the product on an even surface and remove the collection bag (15) in reverse order of assembly.
2. Check the upper vacuum tube (3), the middle vacuum tube (2) and the lower vacuum tube (1) for blockages. Carefully tap the tubes (1, 2, 3) to loosen the blockage.
3. Disassemble the vacuum tube assembly for removing heavy blockages in reverse order of "Assembly -> vacuum tube assembly" section.
4. Refit the vacuum tube assembly and secure it in place.

### Collection bag

1. Place the product on an even surface and remove the collection bag (15) in reverse order of assembly.
2. Clean the collection bag (15) after operation by turning it inside out and brushing it.
3. Replace the collection bag (15) with one of the same type if it is damaged.
4. Refit it as above described.

## Spare parts / Replacement parts

The following parts of this product may be replaced by the consumer. Spare parts are available at an authorised dealer or through our customer service.

Description	Model no. or Specification
Battery pack (20)	MDVB36-4 / TTB812BAT
Charger (21)	MFC36 / TTB815CHR
Titan/Macallister 36V Blower Vacuum Bag	N/A

## Repair

This product does not contain any parts that can be repaired by the consumer. Contact an authorised service centre or a similarly qualified person to have it checked and repaired.

## Storage

1. Switch the product off and remove the battery pack (20).
2. Clean the product as described above.
3. Disassemble the blower tube assembly or vacuum tube assembly if required.
4. Store the product and its accessories in a dark, dry, frost-free, well-ventilated place.
5. Always store the product in a place that is inaccessible to children. The ideal storage temperature is between 10 °C and 30 °C.
6. We recommend using the original package for storage or covering the product with a suitable cloth or enclosure to protect it against dust.
7. Charge the battery pack (20) before long-time storage.

## Transportation

1. Switch the product off and remove the battery pack (20).
2. Disassemble the blower tube assembly or vacuum tube assembly if required.
3. Attach transportation guards, if applicable.
4. Always carry the product by its handles (5, 8).
5. Protect the product from any heavy impact or strong vibrations which may occur during transportation in vehicles.
6. Secure the product to prevent it from slipping or falling over.

## Troubleshooting

Suspected malfunctions are often due to causes that the users can fix themselves. Therefore check the product using this section. In most cases the problem can be solved quickly.



**WARNING!** Only perform the steps described within these instructions! All further inspection, maintenance and repair work must be performed by an authorised service centre or a similarly qualified specialist if you cannot solve the problem yourself!

Problem	Possible cause	Solution
1. Product does not start	1.1. Battery pack is not properly attached	1.1. Attach properly
	1.2. Battery pack is discharged	1.2. Remove and charge battery pack
	1.3. Battery pack is damaged	1.3. Check by a specialist electrician
	1.4. Snap-in button (12) with built-in switch is not secured	1.4. Refit the snap-in button (12) to activate the built-in switch
	1.5. Other electrical defect to the product	1.5. Check by a specialist electrician
2. Product does not reach full power	2.1. Battery pack capacity is too low	2.1. Charge battery pack
	2.2. Air vents are blocked	2.2. Clean the air vents
	2.3. Collection bag is full	2.3. Empty collection bag
3. Unsatisfactory blowing result	3.1. Nozzle not properly assembled	3.1. Refer to chapter "Blower / Vacuum tube assembly"
4. Product suddenly stops	4.1. Battery pack is discharged	4.1. Remove and charge battery pack
	4.2. Battery pack is too hot	4.2. Remove battery pack and let it cool down
5. Excessive vibration or noise	5.1. Nozzle not properly assembled	5.1. Refer to chapter "Blower / Vacuum tube assembly"
	5.2. Screws are loosen	5.2. Tighten screws

## Recycling and disposal



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

**For further information visit [www.recycle-more.co.uk](http://www.recycle-more.co.uk).**

The product comes in a package that protects it against damage during shipping. Keep the package until you are sure that all parts have been delivered and the product is working properly. Recycle the package afterwards.

## Disposal of an exhausted battery pack



The battery is Li-Ion type. To preserve natural resources, please recycle or dispose of the battery pack properly. Consult your local waste authority for information regarding available recycling and / or disposal options.

Discharge your battery pack by operating your tool, then remove the battery pack from the tool and cover the battery pack connections with heavy duty adhesive tape to prevent short circuit and energy discharge.

Do not attempt to open or remove any of the components.

## EN Guarantee

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We take special care to select high quality materials and use manufacturing techniques that allow us to create products incorporating design and durability. This product has a manufacturer's guarantee of 2 years against manufacturing defects, from the date of purchase (if bought in store) or date of delivery (if bought online), at no additional cost for normal (non-professional or commercial) household use.

To make a claim under this guarantee, you must present your proof of purchase (such as a sales receipt, purchase invoice or other evidence admissible under applicable law), please keep your proof of purchase in a safe place. For this guarantee to apply, the product you purchased must be new, it will not apply to second hand or display products. Unless stated otherwise by applicable law, any replacement product issued under this guarantee will only be guaranteed until expiry of the original period guarantee period.

This guarantee covers product failures and malfunctions provided the product was used for the purpose for which it is intended and subject to installation, cleaning, care and maintenance in accordance with the information contained in these terms and conditions, in the user manual and standard practice, provided that standard practice does not conflict with the user manual.

This guarantee does not cover defects and damage caused by normal wear and tear or damage that could be the result of improper use, faulty installation or assembly, neglect, accident, misuse, or modification of the product. Unless stated otherwise by applicable law, this guarantee will not cover, in any case, ancillary costs (shipping, movement, costs of uninstalling and reinstalling, labour etc), or direct and indirect damage.

This guarantee does not cover defects and damage caused by or resulting from:

- Normal wear and tear
- Overload, misuse or neglect
- Repairs attempted by anyone other than an authorised agent
- Cosmetic damage
- Damage caused by foreign objects, substances or accidents
- Accidental damage or modification
- Failure to follow manufacturer's guidelines
- Loss of use of the goods

If the product is defective, we will, within a reasonable time, repair, replace or provide spare parts.

Rights under this guarantee are enforceable in the country in which you purchased this product. Guarantee related queries should be addressed to the store you purchased this product from.

The guarantee is in addition to and does not affect your statutory rights.





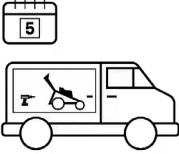
**IMPORTANT - RETAIN THIS INFORMATION  
FOR FUTURE REFERENCE:  
READ CAREFULLY**

# Customer care and technical helpline

## A better way to repair your tools

Kingfisher takes special care in creating high-quality garden power tools that are designed to last. But if a fault develops with your garden power tool and you need to claim under the guarantee, the Customer Care and Technical Helpline can support with technical assistance or if required, arrange a free courier collection from your home, assess your garden power tool for fault, repair it, and return it.

Deciding to repair your product rather than buying a replacement and adding to the mountain of waste is a more sustainable choice and you will be doing your bit for the environment.

How does it work?				
				
Step 1	Step 2	Step 3	Step 4	Step 5
Find your proof of purchase and get in touch with the Customer Care and Technical Helpline.	Chat to them about the problem with your tool.	They will provide technical and user advice or alternatively arrange a courier collection from your home.*	The team will assess and test and if necessary, repair your product back to full working order.	Your repaired tool will be returned to you via courier within 5 working days*.

## Get in touch

If you need help or more information, please contact the Customer Care and Technical Helpline:

UK: 0800 0789647

Eire: 1800 932226

Opening hours are Monday – Friday, 8am-5pm

## Availability of spare parts

Contact the customer service helpline for assistance or visit [www.kingfisherspares.com](http://www.kingfisherspares.com)

For assistance contact the customer services helpline:

UK 0800 0789647 [uk@Kingfisherservice.com](mailto:uk@Kingfisherservice.com)

EIRE 1800 932226 [eire@kingfisherservice.com](mailto:eire@kingfisherservice.com)

Further information about this product can also be found at:

[www.kingfisher.com/products](http://www.kingfisher.com/products)

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**Manufacturer:**

**UK Manufacturer:**

Kingfisher International Products Limited,  
1 Paddington Square, London, W2 1GG,  
United Kingdom

**EU Manufacturer:**

Kingfisher International Products B.V.  
Rapenburgerstraat 175E  
1011 VM Amsterdam  
The Netherlands

**EN** [www.diy.com](http://www.diy.com)  
[www.screwfix.com](http://www.screwfix.com)  
[www.screwfix.ie](http://www.screwfix.ie)

**To view instruction manuals online,  
visit [www.kingfisher.com/products](http://www.kingfisher.com/products)**