

ToolPRO

3 YEAR
WARRANTY



12V

CORDLESS SOLDERING IRON

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Safety Information

Important - Please read these instructions fully before starting assembly

Warning Symbols



To reduce the risk of injury, Please read the instruction manual



Warning



Wear ear protection



Wear eye protection



Wear dust mask



Indoor use only



Do not expose to rain or water



Do not burn



Waste electrical products must not be disposed of with household waste. Please recycle where facilities exist. Check with your local authorities or retailer for recycling advice.



Li-Ion



Li-Ion

Li-ion battery. This product has been marked with a symbol relating to 'separate collection' for all battery packs and battery pack. It will then be recycled or dismantled in order to reduce the impact on the environment. Battery packs can be hazardous for the environment and for human health since they contain hazardous substances.



Fuse



Positive terminal



Negative terminal



Read the operator's manual



Double insulation



RCM marking



Safety Information

Important - Please read these instructions fully before starting assembly

General Power Tool Safety Warnings



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

Save all warnings and instructions for future reference.

The term "power tool" in the warnings refers to your mains-operated (corded) power tool or battery-operated (cordless) power tool.

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.
- 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 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.

Safety Information

Important - Please read these instructions fully before starting assembly

General Power Tool Safety Warnings

- 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, clothing and gloves 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.
- 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 the battery pack from the power tool before making any adjustments, changing accessories, or storing power tools. Such preventive safety measures reduce the risk of starting the power tool accidentally.
 - 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. 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.
- 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.



Safety Information

Important - Please read these instructions fully before starting assembly

General Power Tool Safety Warnings

- 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.
- 6) **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.

Additional safety instructions for your Soldering iron

The intended use is described in this manual. The use of any accessory or attachment or performance of any operation with this tool other than those recommended in this instruction manual can present a risk of personal injury and/ or damage to property. A fire may result if the tool is not used with care, therefore:

1. Be careful when using the tool in places where there are combustible materials.
2. Do not use in presence of an explosive atmosphere.
3. Be aware that heat may be conducted to combustible materials that are out of sight.
4. Allow the tool to cool down before storage.
5. Do not leave the tool unattended when it is switched on.
6. Contact with a hot tool tip could ignite flammable materials. Contact with a hot tip could ignite a fire.
7. Do not stand or store tool upright on the battery pack. Tool could tip resulting in contact between hot tip and flammable materials. Always set/store tool on its side when not in use. Keep hands and fingers behind finger guard. Serious burns can occur if skin contacts tip.
8. Remove battery before storing. Such preventive safety measures reduce the risk of starting the power tool accidentally.
9. Work in well ventilated areas. Soldering can produce fumes and smoke.
10. Use personal protective equipment when using chemicals, such as flux and solder paste. Follow all manufacturer instructions.
11. To reduce the risk wear safety goggles or glasses of injury, always with side shields.
12. For changing the soldering tip ensure the tip is cool and the tip temp indicator is off before touching the tip. Serious burns could occur if skin contacts a hot tip.
13. Do not stand on battery pack (unstable).
14. This tool is not a toy. Keep out of the reach of children.



Safety Information

Safety Warnings for battery pack

- a) Do not dismantle, open or shred cells or battery pack.
- b) Do not short-circuit a battery pack. Do not store battery packs haphazardly in a box or drawer where they may short-circuit each other or be short-circuited by conductive materials. 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.
- c) Do not expose battery pack to heat or fire. Avoid storage in direct sunlight.
- d) Do not subject battery pack to mechanical shock.
- e) In the event of battery leaking, do not allow the liquid to come into contact with the skin or eyes. If contact has been made, wash the affected area with copious amounts of water and seek medical advice.
- f) Seek medical advice immediately if a cell or battery pack has been swallowed.
- g) Keep battery pack clean and dry.
- h) Wipe the battery pack terminals with a clean dry cloth if they become dirty.
- i) Battery pack needs to be charged before use. Always refer to this instruction and use the correct charging procedure.
- j) Do not maintain battery pack on charge when not in use.
- k) After extended periods of storage, it may be necessary to charge and discharge the battery pack several times to obtain maximum performance.
- l) Battery pack gives its best performance when it is operated at normal room temperature ($20\text{ }^{\circ}\text{C} \pm 5\text{ }^{\circ}\text{C}$).
- m) When disposing of battery packs, keep battery packs of different electrochemical systems separate from each other.
- n) Recharge only with the charger specified by manufacturer. Do not use any charger other than that specifically provided for use with the equipment. A charger that is suitable for one type of battery pack may create a risk of fire when used with another battery pack.
- o) Do not use any battery pack which is not designed for use with the equipment.
- p) Keep battery pack out of the reach of children.
- q) Retain the original product literature for future reference.
- r) Remove the battery from the equipment when not in use.
- s) Dispose of properly.



Safety Information

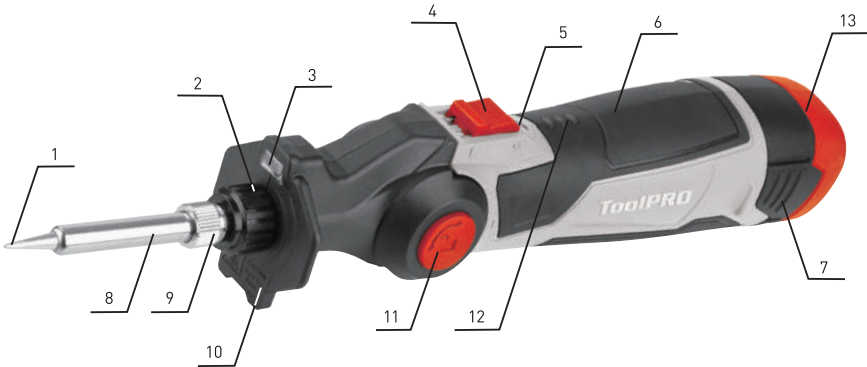
Important - Please read these instructions fully before starting assembly

Additional safety instructions for your Battery Charger

1. Before charging, read the instructions.
2. For charge Li-ion battery pack only.
3. Do not charge a leaking battery.
4. Do not use chargers for works other than those for which they are designed.
5. Before charging, ensure your charger is matching the local AC supply.
6. The charging device must be protected from moisture.
7. Do not use the charging device in the open.
8. Do not short out the contacts of battery or charger.
9. Respect the polarity "+/-" when charging.
10. Do not open the unit and keep out of the reach of children.
11. Ensure that the connection between the battery charger and battery is correctly positioned and is not obstructed by foreign bodies.
12. Keep battery charger's slots free of foreign objects and protect against dirt and humidity. Store in a dry and frost-free place.
13. When charging batteries, ensure that the battery charger is in a well-ventilated area and away from inflammable materials. Batteries can get hot during charging. Do not overcharge any batteries. Ensure that batteries and chargers are not left unsupervised during charging.
14. Do not recharge non-rechargeable batteries, as they can overheat and break.
15. Longer life and better performance can be obtained if the battery pack is charged when the air temperature is between 18°C and 24°C. Do not charge the battery pack in air temperatures below 4.5°C, or above 40.5°C. This is important as it can prevent serious damage to the battery pack.
16. Charge only battery pack of the same model provided by manufacturer and of models recommended by manufacturer.

In The Box

Parts



- ① Soldering Tip
- ② Plastic Nut
- ③ LED Lamp
- ④ On/off Switch
- ⑤ Temp Indicator
- ⑥ Soft Handle
- ⑦ Button of Battery Pack
- ⑧ Barrel
- ⑨ Metal Nut
- ⑩ Finger Guard
- ⑪ Rotation Button
- ⑫ Battery level indicator
- ⑬ Battery Pack

Accessories

Soldering tip

2

Operating Instructions

Intended Use

The Soldering Iron is intended to be used for soldering or tinning electrical components, cables, conductors, etc use away from mains supply.
Do not use this product in any other way as stated for normal use.



NOTE: Before using the tool, read the instruction book carefully.

1. CHARGING PROCEDURE

BEFORE PUTTING INTO OPERATION

CHARGING THE BATTERY PACK (SEE FIG A)

NOTE:

- The battery in your new tool is not charged when it leaves the plant. Therefore it must be full charged before using the first time.
- Do not use any charger other than that specifically provided for use with the equipment.
- If the battery pack is very hot you must remove your battery pack from the charger and allow time for the battery to cool down before recharging.
- Please charge the battery to reach full or no less than half charge before storage. If the tool will not be used for long periods of time, charge the battery every 3-6 months.

CHARGING PROCEDURE

- Plug the charger into an appropriate outlet.
- Place the battery pack into the charger.
- When charging is completed, unplug the charger and remove the battery pack.



WARNING: When battery charge runs out after continuous use or exposure to direct sunlight or heat, allow time for the battery to cool down before re-charging to achieve the full charge.



LED INDICATOR		SITUATION
Green	Red	
Blinking light	No light	Stand by
No light	Solid light	Charging
Solid light	No light	Charging is complete
Blinking light	Blinking light	Battery pack is too hot or cold (charging will begin automatically when battery reaches correct charging temperature)
No light	Blinking light	Damaged or faulty battery pack

Operating Instructions

2. INSTALLING AND REMOVING THE BATTERY PACK

a) To remove the battery pack

Press the Battery Pack Release Button (5) firmly first and then pull the Battery Pack out from your tool.

b) To install the battery pack

Push the fully charged Battery Pack onto the tool with sufficient force until it clicks into position.

3. BATTERY PROTECTION SYSTEM

The tool is equipped with a battery protection system.

The tool will automatically stop during operation if the tool and/or battery are placed under one of the following conditions:

a) Low battery voltage

The remaining battery capacity is too low and the tool will not operate. In this situation, remove and recharge the battery.

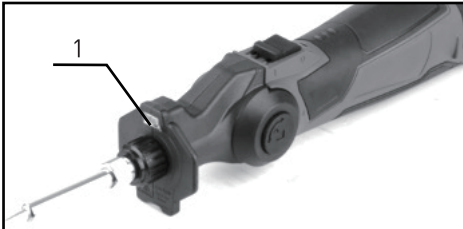
b) Overheated

The tool does not start when the battery is overheated. In this situation, let the battery cool before turning the tool on again.

4. LIGHTING UP THE FRONT LAMP



CAUTION: Do not look in the light or see the source of light directly.



When start the tool the LED lamp will light on in the same time. And the lamp goes out approximately 5 seconds after stopping the tool.

1. LED Lamp

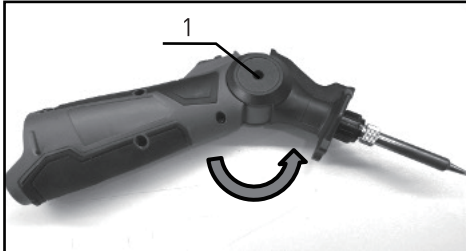
NOTE: Use a dry cloth to wipe the dirt off the lens of the lamp. Be careful not to scratch the lens of lamp, or it may lower the illumination.

Operating Instructions

5. ROTATING THE HEAD

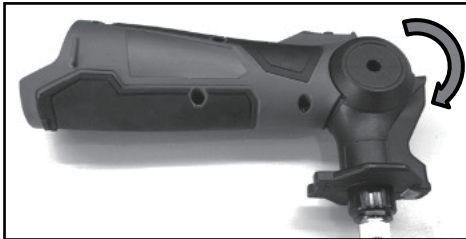


CAUTION: Always be sure that the tip is cool and the tip temp indicator is off before rotating the head. Serious burns could occur if skin contacts a hot tip.



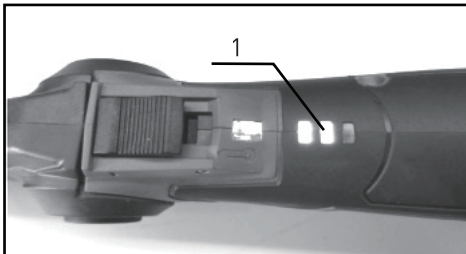
Rotating the head for better and easy working in suitable work area. Depress the rotation button and rotate the head to the desired angle until it clicks into place with a little click. The head angle can be adjusted total 90 degree in 5 stages. Adjust as desired.

1. Rotation Button



CAUTION: After rotating the head, always secure the head clicks into place firmly.





6. INDICATING THE REMAINING BATTERY CAPACITY



When start the tool the indicator lamps will light on in the same time to indicate the remaining battery capacity. The indicator lamps will light off in approximately 5 seconds. Below for detail remaining capacity information.

1. Battery level indicator

Operating Instructions

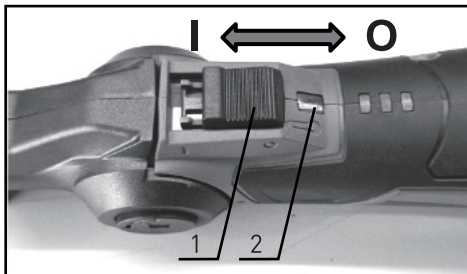
Indicator lamps	Remaining capacity
 Lighted	
 Three green lights on	Full Charged
 Two green lights on	30% to 60%
 One green lights on	10% to 30%

NOTE: Depending on the conditions of use and the ambient temperature, the indication may differ slightly from the actual capacity.

7. SWITCH ACTION



CAUTION: Before installing the battery cartridge into the tool, always check to see that the tool is switched off.



To start the tool, slide the On/off switch toward the "I (ON)" position by pushing the rear of the On/off switch. The temp Indicator will turn to solid red at the same time. For continuous operation, press down the front of the On/off switch to lock it.

To stop the tool, slide the On/off switch toward the "O (OFF)" position. The temp Indicator will turn to blinking red at the same time until it cools down.

1. On/off switch 2. Temp Indicator

Operating Instructions

Assembly



CAUTION: Always be sure that the tool is switched off and the battery cartridge is removed before carrying out any work on the tool.

1. CHANGING THE SOLDERING TIP



CAUTION: Always be sure that the tip is cool and the tip temp indicator is off before touching the tip. Serious burns could occur if skin contacts a hot tip.

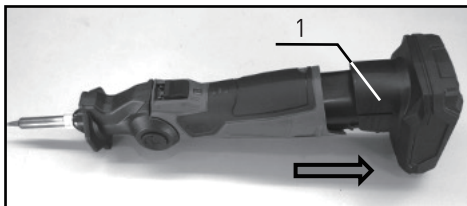


CAUTION: After changing the soldering tip, always secure it with the metal nut firmly. If not, the tip and barrel may come off from the tool and result in the personal injury.

To replace the soldering tip, perform the following steps:

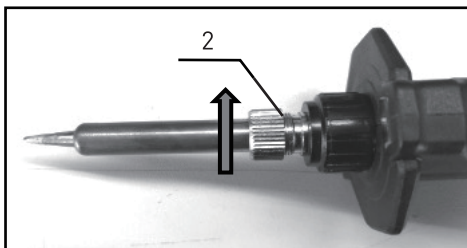
1. After the tip and barrel had cooled and the tip temp indicator is off, remove the battery pack.

2. ACCIDENTAL RE-START PREVENTIVE FUNCTION



Even if suddenly insert the battery when the On/off switch is locked on the "I (ON)" position with the battery removed, the tool does not start to prevent accidental accident. To start the tool in this situation, first slide the On/off switch to the "O (OFF)" position and then slide it to the "I (ON)" position again.

1. Battery pack

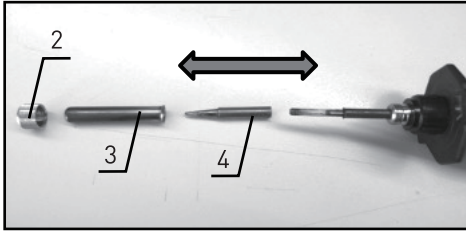


Turn clockwise to unscrew the metal nut and remove the metal nut, barrel and soldering tip in order.

2. Metal nut

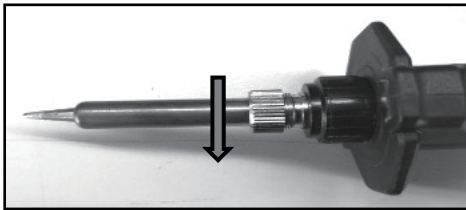
Operating Instructions

Assembly



Replace the soldering tip with a new one.

2. Metal nut 3. Barrel 4. Soldering tip



Turn anticlockwise to reinstall the nut and barrel.

Tighten the nut securely.

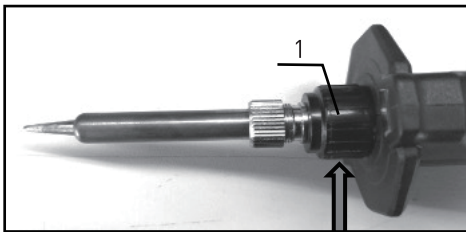
3. INSTALLING OR UNINSTALLING THE SOLDERING HEAD ASSEMBLY



CAUTION: Always be sure that the tip is cool and the tip temp indicator is off before touching the soldering head assembly. Serious burns could occur if skin contacts a hot head assembly.

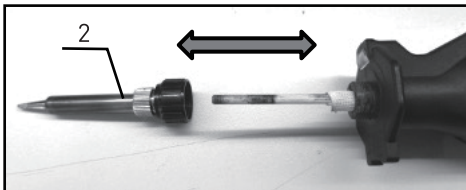


CAUTION: After changing the soldering head assembly, always secure it with the plastic nut firmly. If not, the head assembly may come off from the tool and result in the personal injury.



To uninstall the soldering head assembly, turn clockwise to unscrew the plastic nut and remove the whole soldering head assembly.

1. Plastic nut



To install the soldering head assembly, perform the uninstall procedure in reverse.

2. Soldering head assembly

Operation



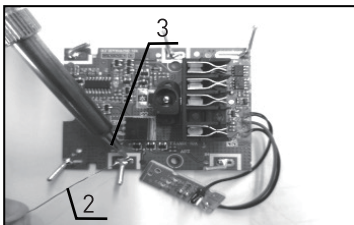
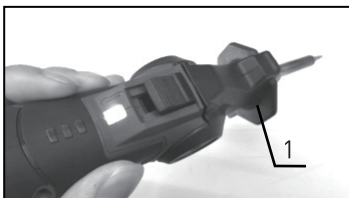
CAUTION: When operating, Soldering tip and barrel area may reaches 400 °C. To reduce the risk of injury, always wear proper eye protective glasses and protective gloves. Keep hands and fingers behind finger guard. Serious burns could occur if skin contacts a hot tip.



CAUTION: Soldering tip and barrel area will remain hot even after the tool is turned off or the battery is removed. Allow the tool to cool for 20 minutes before storing.

SOLDERING

1. Prepare the workpiece.
2. Rotate head to desired angle.
3. Press the slide switch forward to turn on the tool.
4. To lock-on the switch press down on the front of the switch.
5. Allow the tool to come to full temperature.
Temp indicator:
Solid red → **Heating**
Solid green → **Solder melt temp (200-400 °C)**
6. Hold the tool firmly and melt the workpiece by touching the soldering tip, then solder according to material requirements.
7. When done, turn off tool by releasing switch or, if locked-on, pressing back of switch and releasing.
8. While still hot, clean the tip with a wet sponge or brass cleaning wire. **WARNING! Avoid contact, tip is hot and could cause serious burns.**
9. Place tool on its side with the tip away from any contact until it has cooled. Tip should cool in approximately 20 minutes. Temp indicator will go out once tip has cooled.
Temp Indicator:
Blinking Red → **Cooling**



2. Workpiece
3. Soldering tip




Maintenance

Your tool requires no additional lubrication or maintenance.

There are no user serviceable parts in your power tool. Never use water or chemical cleaners to clean your power tool. Wipe clean with a dry cloth. Always store your power tool in a dry place. Keep the motor ventilation slots clean. Keep all working controls free of dust. Occasionally you may see sparks through the ventilation slots. This is normal and will not damage your power tool.

Technical Data

Technical Data Table

Voltage	12 V 
Average heater power	90W
Working temperature	430 °C
Heat-up time approx.	30S
Charger protection class	 /II
Charger input	100-240V~50/60Hz, 35W
Charger output	12V  2000mA
Machine weight	0.3kg (without battery)
Optional battery	2.0/4.0Ah Li-ion battery packs
Charging time	1hr for 2.0Ah battery pack 2hr for 4.0Ah battery pack

WARRANTY

This product is guaranteed against defects a period of (3 years) from date of purchase. This warranty is provided by SRGS PTY LTD ABN 23 113 230 050 of 6 Coulthards Avenue, Strathpine QLD 4500, Ph 1300 880 764. Supercheap Auto will offer a repair, replacement product or store credit if the product is assessed as being defective during the warranty period.

To claim under this warranty, take this product to the Front Service Desk of your nearest Supercheap Auto store. For store locations, visit www.supercheapauto.com.au (AUS) or www.supercheapauto.co.nz (NZ). You will need your receipt or proof of purchase. Additional information may be requested of you to process your claim. Should you not be able to provide proof of purchase with a receipt or a bank statement, identification showing your name, address and signature may be required to process your claim.

This product may need to be sent to the manufacturer to assess the defect before determining any claim. Faults or defects caused by product modification, misuse and abuse, normal wear and tear or failure to follow user instructions are not covered under this warranty.

Your warranty is subject to the following conditions:

- Battery packs are guaranteed for a 12 month period only.
- The tool has not been misused, abused, neglected, altered, modified or repaired by anyone other than an authorized service centre.
- Only genuine ToolPRO accessories and parts have been used on or with the product.
- The tool has been subjected to fair wear and tear.
- The tool has not been used for trade or professional purposes.
- The tool has not been used for rental purposes.
- The tool has not sustained damage through foreign objects, substances or accidents.

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.

Any expenses incurred relating to the return of this product to store will normally have to be paid by you. For more information contact your nearest Supercheap Auto store.

The benefits to the consumer given by this warranty are in addition to other rights and remedies of the Australian Consumer Law in relation to the goods and services to which this warranty relates.

Staple your purchase receipt here
Before returning this product for
warranty or any other reason, please call.
FREE CALL 1300 858 645
Email: sca@scheppach.com.au

ToolPRO

PLU: 620426

Code: LSI699-2

Manufactured and packaged for

SRGS PTY LTD

ABN 23 113 230 050

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Strathpine QLD 4500, Australia

MADE IN CHINA