

**triton**® *Reciprocating Saw*

**XT** RJSB

**XT18**

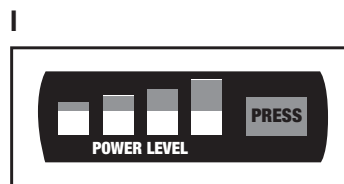
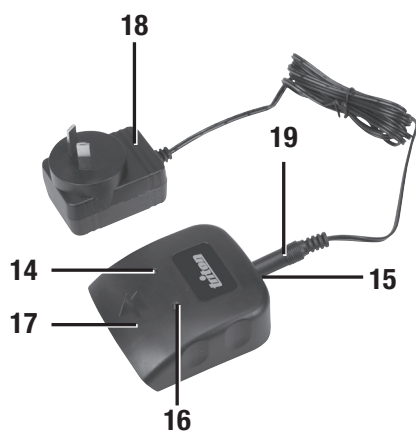
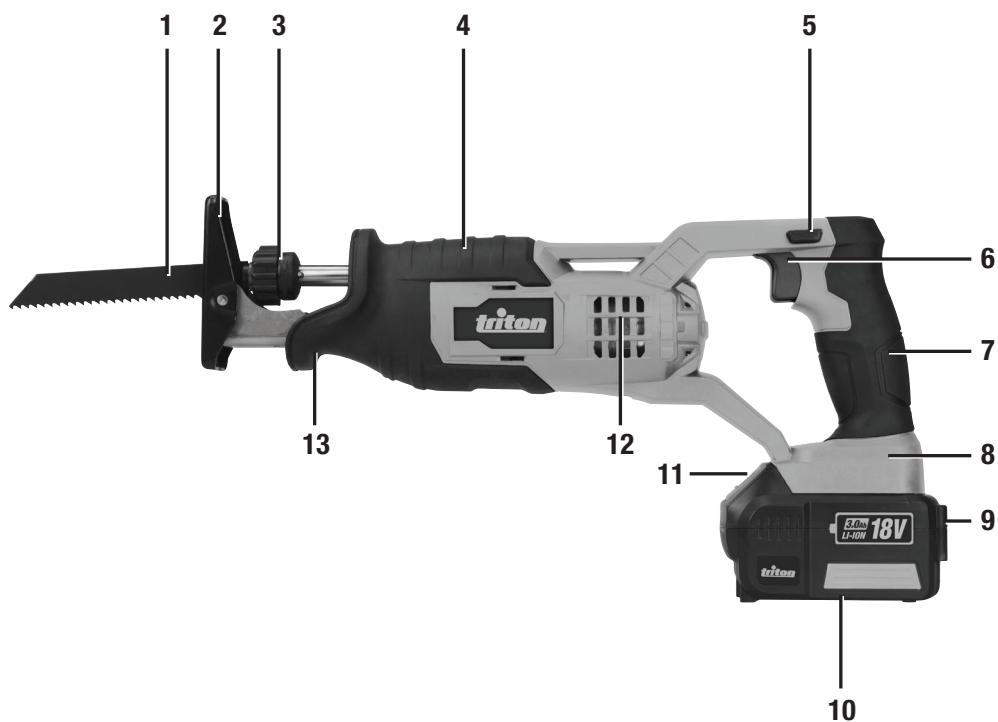


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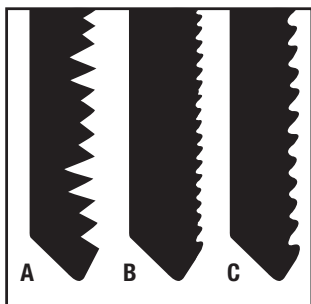
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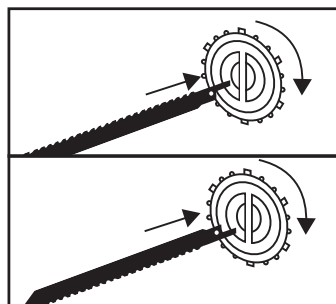




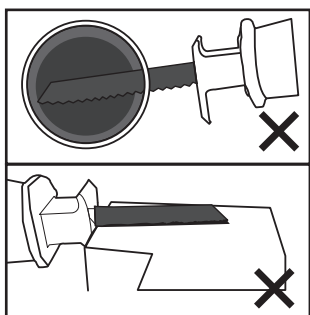
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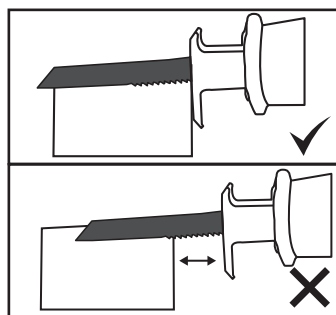
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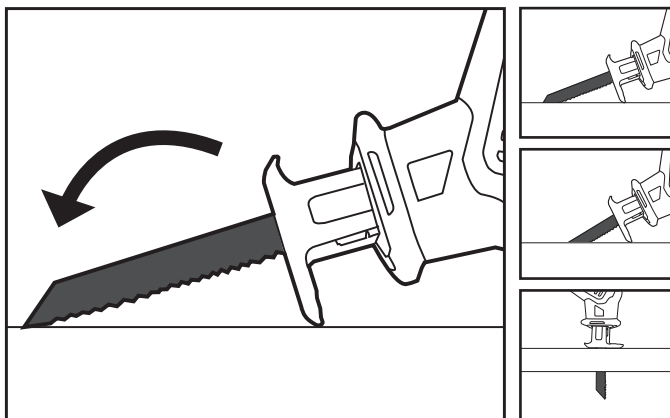
IV



V









VI



Thank you for purchasing this Triton tool. This manual contains information necessary for safe and effective operation of this product. This product has unique features and, even if you are familiar with similar products, it is necessary to read this manual carefully to ensure you fully understand the instructions. Ensure all users of the tool read and fully understand this manual.

## Description of Symbols

	Wear hearing protection Wear eye protection Wear breathing protection Wear head protection
	Wear hand protection
	Read instruction manual
	Caution!
	Wear protective clothing
	Be aware of kickback!
	DO NOT use in rain or damp environments!
	<b>Warning:</b> Sharp blades or teeth!
	Keep bystanders away!
	<b>WARNING:</b> Moving parts can cause crush and cut injuries.
	Class II construction (double insulated for additional protection) Charger Only
	DO NOT incinerate batteries!
	Conforms to relevant legislation and safety standards.
	<b>Environmental Protection</b> Waste electrical products and batteries, including Li-Ion batteries, should not be disposed of with household waste. Please recycle where facilities exist. Check with your local authority or retailer for recycling advice.

## Technical Abbreviations Key

<b>V</b>	Volts
<b>~, AC</b>	Alternating current
<b>A, mA</b>	Ampere, milli-Amp
<b>A<sub>h</sub></b>	Amp hours
<b>n<sub>0</sub></b>	No load speed
<b>spm</b>	Strokes per minute
<b>Ø</b>	Diameter
<b>°</b>	Degrees
<b>λ</b>	Wavelength
<b>Hz</b>	Hertz
<b>---, DC</b>	Direct current
<b>W, kW</b>	Watt, kilowatt
<b>dB (A)</b>	Decibel – A weighted
<b>m/s<sup>2</sup></b>	Metres per second squared (vibration magnitude)

# Specification

Model number:	XTRJSB
Voltage:	18V d.c.
Blade stroke speed:	0-3000/min
Saw blade type:	½" Universal Shank
Stroke length:	25mm
Maximum blade length:	150mm
Cutting Capacity	
Wood:	35mm (1-⅜")
Metal:	5mm (⅝⁄₆₄")
Dimensions (L x W x H):	400 x 190 x 90mm
Weight:	1.64kg (including battery)
Battery	
Cell type:	Li-Ion
Voltage:	18V, DC
Capacities:	1.5Ah (XT15AHB), 2.0Ah (XT2AHB), 3.0Ah (XT3AHB) & 4.0Ah (XT4AHB)
Charging times (XT35C charger):	3-5hrs (1.5Ah & 2.0Ah), 5-7hrs (3.0Ah & 4.0Ah)
• Batteries supplied will vary depending on pack configuration	
Battery Charger PSU	
Model No:	XT35C
Input Voltage:	230-240V ~ 50/60Hz, 13W
Power output:	22.7V DC, 380mA
Protection class:	□
Length of power cord:	2m
Battery Charger	
Input Voltage:	22.7V DC
Output Voltage:	14.4-18V DC
Battery Compatibility:	XT 18V
As part of our ongoing product development, specifications of Triton products may alter without notice.	
Sound and vibration information	
Sound pressure L <sub>pk</sub> :	76dB(A)
Sound power L <sub>wa</sub> :	87dB(A)
Uncertainty K:	3dB(A)
Weighted vibration A <sub>w</sub> :	9.2m/s²
Uncertainty K:	1.5m/s²
The sound intensity level for the operator may exceed 85dB(A) and sound protection measures are necessary.	

**WARNING:** Always wear ear protection where the sound level exceeds 85dB(A) and limit the time of exposure if necessary. If sound levels are uncomfortable, even with ear protection, stop using the tool immediately and check the ear protection is correctly fitted and provides the correct level of sound attenuation for the level of sound produced by your tool.

**WARNING:** User exposure to tool vibration can result in loss of sense of touch, numbness, tingling and reduced ability to grip. Long term exposure can lead to a chronic condition. If necessary, limit the length of time exposed to vibration and use anti-vibration gloves. Do not operate the tool with hands below a normal comfortable temperature, as vibration will have a greater effect. Use the figures provided in the specification relating to vibration to calculate the duration and frequency of operating the tool.

Sound and vibration levels in the specification are determined according to EN60745 or similar international standards. The figures represent normal use for the tool in normal working conditions. A poorly maintained, incorrectly assembled, or misused tool, may produce increased levels of noise and vibration. [www.osha.europa.eu](http://www.osha.europa.eu) provides information on sound and vibration levels in the workplace that may be useful to domestic users who use tools for long periods of time.

## General Safety

**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.

**WARNING:** This appliance is not intended for use by persons (including children) with reduced, physical or mental capabilities or lack of experience or knowledge unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety. Children must be supervised to ensure that they do not play with the appliance.

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.
- g) **When used in Australia or New Zealand, it is recommended that this tool is ALWAYS supplied via Residual Current Device (RCD) with a rated residual current of 30mA or less.**

### 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.
- 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.
- d) Under abusive conditions, liquid may be ejected from the battery; avoid contact. If contact occurs, flush with water. If liquid contacts eyes, additionally seek medical help. Liquid ejected from the battery may cause irritation or burns.

### 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.

## Additional Safety Rules for Reciprocating Saws



**WARNING!**

- Hold power tool by insulated gripping surfaces, when performing an operation where the cutting accessory may contact hidden wiring or its own cord. Cutting accessory contacting a "live" wire may make exposed metal parts of the power tool "live" and could give the operator an electric shock.
- This appliance 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 use of the appliance by a person responsible for their safety.
- Recommendations for the use of a residual current device with a rated residual current of 30mA or less.
- Wear a safety helmet, safety glasses and/or face shield. It is also highly recommended that you wear a dust mask, ear protection and padded gloves.
- Check the blade carefully for cracks or damage prior to operation. Replace cracked or damaged blades immediately.
- Hold the tool firmly during operation. Always hold the adjustable pivoting shoe firmly against the work piece.
- Ensure no one is below you when using the tool in elevated conditions.
- Do not point the tool at anyone in the immediate vicinity.

- a) Ensure that lighting is adequate
- b) Keep the area free of tripping hazards
- c) Never saw near combustible liquids or gases
- d) Check for hidden wiring and pipes before sawing
- e) Use recommended blades only
- f) Blades must be sharp and not cracked or distorted
- g) Before starting work, inspect the workpiece and remove all embedded objects such as nails, screws etc
- h) Support and secure the workpiece correctly
- i) When cutting cylindrical wood, use clamps that prevent the workpiece from turning
- j) Use the insulated handles when operating power tools. This protects the operator if the tool accidentally cuts through hidden electrical wiring, causing the tool to become 'live'
- k) Always stand to one side when operating the saw
- l) Do not use your hands to remove sawdust, chips or waste close to the blade
- m) Never reach over the blade to remove waste or off-cuts
- n) Do not attempt to free a jammed blade until the machine has been disconnected from the power
- o) Do not attempt to slow or stop a blade with any object. Let the blade come to rest naturally
- p) If you are interrupted when operating the saw, complete the process and switch off before looking up
- q) Periodically check the tool for loose nuts, bolts and tighten as necessary

## Battery Charger Safety

### Use the battery charger correctly

- Refer to the section of this manual relating to use of the battery charger before attempting to charge the battery.
- Do not attempt to use the charger with any batteries other than those supplied. Keep your battery charger clean; foreign objects or dirt may cause a short or block air vents. Failure to follow these instructions may cause overheating or fire
- If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard

**Warning:** Do not recharge non-rechargeable batteries

## Use batteries correctly

- Only charge batteries using the charger provided. Only use batteries provided with this power tool, or others recommended by the supplier. Keep batteries clean; foreign objects or dirt may cause a short. Allow batteries to cool for 15 minutes after charging or heavy use. Failure to follow these instructions may cause overheating or fire.
- When not in use batteries should be stored at room temperature (approx 20°C). Ensure that batteries cannot accidentally short in storage.

## Battery and charger safety features

The battery and charger are fitted with a number of safety features which may be triggered during charging or operation:

- Over-charge protection: Charger automatically switches off when the battery has reached full charge capacity, protecting the internal components of the battery
- Over-discharge protection: Prevents the battery from discharging beyond the recommended lowest safety voltage
- Over-heat protection: Sensor switches off if the battery becomes too hot during operation. This can happen if the tool is overloaded or being used for extended periods of time. Up to 30 minutes cooling time may be required depending on the ambient temperature
- Overload protection: Battery temporarily stops if it is overloaded or the maximum current draw is exceeded, protecting the internal components. The battery will resume normal operation when the current draw returns to a normal safe level. This may take a few seconds
- Short circuit protection: The battery will stop working immediately if a short circuit occurs, this prevents damage to the battery or tool

## Product Familiarisation

1. Wood Blade (6tpi)
2. Shoe
3. Blade Slot Assembly
4. Barrel Grip
5. Safety Lock-Off
6. Variable Speed Trigger
7. Main Handle
8. Battery Slot
9. Battery Charge Indicator
10. Battery
11. Battery Release
12. Motor Vents
13. Hand Guard
14. Red LED
15. Charger DC Socket
16. Green LED
17. Battery Charger
18. Charger PSU
19. PSU DC Plug

### Accessories (not shown):

- Saw blade 18tpi (metal)

## Intended Use

Cordless reciprocating power saw for light to medium duty cutting of wood, plasterboard, plastic, mild steel, and also non-ferrous metals (requiring the purchase of additional, material-specific saw blades).

## Unpacking Your Tool

- Carefully unpack and inspect your tool. Fully familiarise yourself with all its features and functions
- Ensure that all parts of the tool are present and in good condition. If any parts are missing or damaged, have such parts replaced before attempting to use this tool

## Before Use

### Removing a battery

- To remove the Battery (10) from the saw, press the Battery Release (11), then slide the Battery off the Battery Slot (8)

**WARNING:** DO NOT try to remove the Battery without pressing the Battery Release button. The saw or Battery could be damaged.

### Fitting a battery

- To fit a charged battery, slide it on the Battery Slot (8) of the saw until it clicks and locks into position

**Note:** Make sure the Battery and saw are lined up correctly. If the Battery does not slide into the saw easily, don't force it. Instead, slide the Battery out of the saw again, check the top of Battery and the saw battery slot are clean and undamaged and that the contacts are not bent.

### Setting up the battery charger

1. Insert the PSU DC Plug (19) into the Charger DC Socket (15)
2. If fitted, remove any existing battery from the Battery Charger (17)
3. Insert the Charger PSU (18) into a suitable mains socket

**Note:** The Green LED (16) on the Battery Charger will flash to indicate that the charger is ready to charge the battery.

**WARNING:** Use this charger ONLY to charge the supplied battery or additional purchased batteries that are specifically designed for this tool.

**WARNING:** The charger is designed for indoor use only, and MUST NOT be used in damp or wet conditions.

### Charging the battery

**WARNING:** Failure to follow the correct procedure when charging batteries will result in permanent damage.

1. Slide the Battery Charger (17) onto a fully or partially discharged Battery

**Note:** Make sure the Battery and Battery Charger are lined up correctly. If the Battery does not slide on to the Battery Charger easily, don't force it. Instead, remove the Battery, check the top of Battery and the Battery Charger slot are clean and undamaged and that the contacts are not bent.

2. Once charging commences, the Red LED (14) will illuminate

3. When the Battery is fully charged, the Green LED (16) will be illuminated

**Battery Charge Level:** The battery has a built-in Battery Charge Indicator (9) (Fig. 1). Pressing on the button to the right will indicate the charge level. The right LED indicates a high charge level and the left a low charge level that will mean the battery pack will require charging soon.

**IMPORTANT:** When a low charge level is indicated, be aware the tool may stop operating while in use. When operating a saw this will be dangerous. Always ensure the battery pack has a good charge level.

**Note:** It is recommended to only use a minimum of 2.0Ah capacity batteries with this tool due to the high current motor and safety issues with the battery fully discharging in use stopping the tool operating. The 3.0Ah or 4.0Ah capacity batteries are recommended for additional safety and runtime.

### Notes about battery charging:

- The battery should be charged at ambient temperatures between 10 and 40°C (ideally around 20°C)
- After charging, allow 15 minutes for the battery to cool before use
- Ensure that the charger is disconnected from the mains supply after use, and is stored correctly
- DO NOT leave batteries on charge for extended periods and NEVER store batteries on charge
- The Battery Charger monitors battery temperature and voltage while charging. Remove the Battery once charging has been completed to maximise charge cycles of the battery and not waste power
- Batteries can become faulty over time, individual cells in the battery can fail and the battery could short. The charger will not charge faulty batteries. Use another battery, if possible, to check correct functionality of the charger and purchase a replacement battery if a faulty battery is indicated
- DO NOT store lithium-ion battery packs in a discharged state long term. This can damage the lithium-ion cells. For long-term storage, store batteries in a high charge state disconnected from the power tool

- The capacity of batteries will reduce over time. After 100 charge cycles, the battery's operation time and the maximum torque performance of the saw will slightly reduce. This decline will continue until the battery has minimal capacity after 500 charge cycles. This is normal and not a fault with the battery pack

## Fitting a saw blade

**⚠ WARNING:** ALWAYS remove the battery before fitting or removing saw blades.

**⚠ WARNING:** ALWAYS wear suitable cut-proof gloves when handling saw blades.

**⚠ WARNING:** DO NOT continue to use blunt, warped or otherwise damaged saw blades.

**Note:** ALWAYS fit a saw blade specific to the material you are cutting.

1. Rotate the Blade Slot Assembly (3) fully anticlockwise (Fig. II), and insert the blade shank as far as it will go into the slot in the required orientation. For most uses the teeth will be facing down.
2. Release the Blade Slot Assembly collar
3. Pull the blade to ensure that it is secure. If it is not locked firmly in place repeat the above procedure
4. To remove a blade from the chuck, rotate the chuck collar fully anticlockwise, and pull the blade forward, out of the chuck

### Notes

- This reciprocating saw uses standard ½" universal shank saw blades
- Use a blade length that extends beyond the Shoe (2) at all stages of the reciprocating action stroke and is long enough for the workpiece. The blade end should not be within the body of the workpiece at any stage of the reciprocating action (see Fig. IV)
- When removing broken blades be very careful of sharp metal where the blade has broken. If necessary use pliers to remove the blade
- Dust, wood chippings and swarf can cause the blade locking mechanism to malfunction. If this occurs, remove the blade and hold the Blade Slot Assembly (3) in open mode. Remove particles from the mechanism by vacuuming or blowing dry compressed air through the blade slot
- It may be necessary to twist the Blade Clamp Assembly wheel back and forth to loosen the dust - do this with the slot facing downwards. After cleaning, use a dry graphite based lubricant on the Blade Clamp mechanism

## Types of blade

Different teeth configurations are shown in Fig III.

(A) is a general purpose bi-directional cut suitable for branches on bushes or trees. It cuts fast but will push the branch away from the Shoe (2) as it cuts on one part of its reciprocating action

(B) is a teeth configuration suitable for metal with a very fine tooth pitch. This takes a very small amount of material with each cut and is normally uni-directional. For example, if cutting a pipe, the reciprocating saw would not push the pipe away from the Shoe as its major cut is only when cutting towards the Shoe

(C) is a typical uni-directional wood saw blade. It cuts as it returns to the saw, not when it travels away from the saw

Understanding the difference between uni-directional and bi-directional saw blades and when to use each type will make safer and more effective use of the reciprocating saw. Only use bi-directional saw blades when it is safe to do so. Some high-performance blades with a fast cutting action may be based on a bi-directional cut as are some blades designed for materials such as plaster.

- Always use a uni-directional blade when the workpiece isn't securely clamped

## Operation

**⚠ WARNING:** Always use adequate protective equipment, including eye protection, respiratory and hearing protection, as well as suitable gloves, when working with this tool.

**⚠ WARNING:** When cutting wood, ensure foreign objects, such as nails and screws, are removed from the workpiece before starting to cut.

**⚠ WARNING:** NEVER attempt to cut with a saw blade fitted that is not suitable for the material. NEVER use blunt or otherwise damaged saw blades.

**Note:** ALWAYS use clamps to secure your workpiece to the workbench wherever possible.

## Switching on and off

1. Hold the tool securely with both hands by the Main Handle (7) and Barrel Grip (4) ensuring your hands are always behind the Hand Guard (13) at all times
2. Ensure the tool is not in contact with the workpiece before commencing with switching on
3. Press in the Safety Lock-Off (5) and hold in.

**Note:** The Safety Lock-Off is on both sides of the tool for both left and right handed operation.

4. Press the Variable Speed Trigger (6) to start the saw

**Note:** The speed of the blade is controlled by increasing/decreasing pressure on the Variable Speed Trigger.

5. Release the Variable Speed Trigger Switch to stop the saw

**⚠ WARNING:** ALWAYS remove the saw blade from the cut before switching off.

**⚠ WARNING:** Always wait until the saw blade has stopped moving completely, before putting the machine down. It is recommended to remove the battery after use for safety.

## Adjusting tool speed

**Note:** This Triton reciprocating saw features variable speed control, adjusted by the Variable Speed Trigger Switch (6), which enables it to be used with a variety of different materials, workpieces and objects.

**⚠ WARNING:** ALWAYS adjust the speed according to material requirements. Use appropriate cutting fluid or cooling agent when cutting metals.

**Note:** If in doubt about the correct cutting speed, refer to the blade manufacturer's instructions, and follow recommendations specific to the material being cut.

## Making general cuts

1. Mark out the cutting line
2. Ensure that the material to be cut is secure. Small workpieces should be held in a vice or clamped to the workbench
3. Hold the saw firmly using both hands - one on the Main Handle (7), and one on the Barrel Grip (4)
4. Make sure that the blade is clear of any obstruction, or foreign objects
5. Squeeze the trigger and allow the blade to reach full speed
6. Place the shoe on the workpiece and begin sawing

**⚠ WARNING:** Use ONLY enough pressure to keep the saw cutting. NEVER force the saw blade; allow the blade and the saw to do the work. Use of excessive pressure that causes bending or twisting of the blade may cause the blade to break.

## Making plunge cuts

**⚠ WARNING:** Plunge cutting is an advanced technique with higher risk. Attempt plunge cuts only when you are competent and experienced in this technique.

**⚠ WARNING:** ONLY attempt the plunge cutting procedure in soft materials such as wood, plasterboard and similar materials. DO NOT attempt plunge cuts in metal or hard materials. ONLY use blades specifically designed for plunge cutting. If in doubt, refer to the blade manufacturer's instructions.

**⚠ WARNING:** Inspect both sides of the workpiece surface carrying out the plunge cut. Ensure there are no foreign objects on the underneath, or objects which could be damaged. Be aware of hidden pipework and cables when plunge cutting into drywalls, ceilings or floor boards. If pipes or cables may be present, switch off all electrical circuit breakers and shut off water and gas supplies at the relevant mains valves.

**⚠ WARNING:** Blindly plunge cutting into walls, floors and ceilings may lead to serious injury and substantial damage to property.

1. Mark the line of the cut
2. Choose a point inside the area to be cut out and place the tip of the blade over that point
3. Rest the front edge of the shoe on the workpiece so the blade does not make contact with the workpiece surface (main image of fig. VI)
4. Hold the tool securely with both hands by the Main Handle (7) and Barrel Grip (4), and make sure you have full control at all times
5. Squeeze the Variable Speed Trigger (6) fully, for maximum speed, and allow the blade to reach full speed
6. Slowly lower the blade until it makes contact with the workpiece
7. Continue to cut slowly, until the blade has fully penetrated the thickness of the workpiece (as shown in fig. VI)



## 8. Commence with cutting as normal

### Notes:

- Use the same plunge technique when re-entering the same inset cut slot until a section of material has been removed that allows entry from the edge of the material within the inset cut
- If the technique is unsuccessful, due to the blade or hardness of the material, a more conventional method will be required for an inset cut, as used for metal. Drill a hole or multiple connected holes wider than the blade and start the cut from the drilled hole

## Metal cutting tips

**Note:** This saw is capable of cutting metals, such as sheet steel, pipe, steel rods, aluminium, brass and copper.

- ALWAYS use a blade specified for cutting metal
- Be careful not to bend or twist the blade and do not force the cutting action
- ALWAYS use a suitable cutting fluid when sawing soft metals and steel. This keeps the blade cooler, prolongs blade life and makes cutting more efficient
- Clamp the workpiece firmly and cut close to the clamping point to minimise vibration
- When cutting conduit pipe or angle iron, clamp the work in a vice if possible and cut close to the vice
- To cut thin sheet metal, sandwich the sheet between hardboard or plywood and clamp the layers to prevent vibration and tearing of the metal

## Accessories

- A range of accessories, including material specific saw blades, plunge cutting blades and other accessories is available from your Triton dealer.

Spare parts can be purchased from your Triton dealer or online at [www.toolsaresonline.com](http://www.toolsaresonline.com)

## Maintenance

- This tool is manufactured using class leading components and makes use of the latest in intelligent circuitry that protects the tool and its components. In normal use it should provide a long working life

## Cleaning

- Keep your machine clean at all times. Dirt and dust will cause internal parts to wear quickly, and shorten the machine's service life. Clean the body of your machine with a soft brush or dry cloth. If available, use clean, dry, compressed air to blow through the ventilation holes

## Storage

- Store this tool and its accessories after use in its case, in a dry, secure place out of the reach of children

## Disposal

Always adhere to national regulations when disposing of power tools that are no longer functional and are not viable for repair.

- Do not dispose of power tools, batteries or other waste electrical and electronic equipment (WEEE), with household waste
- Contact your local waste disposal authority for information on the correct way to dispose of power tools and batteries

## Troubleshooting

Problem	Possible cause	Solution
Red charging LED does not illuminate and battery not charging	Battery not correctly connected	Clean battery and charger contacts
	Charger not powered	Recheck mains connection
Battery pack has low capacity	Battery not being fully charged	Charge the battery until the charger indicates a full charge
	Battery pack has been charged over 100 times and capacity has started to reduce	This is normal for battery packs. Contact your Triton dealer to purchase a replacement battery pack
No function when Variable Speed Trigger Switch (6) is operated	Battery completely discharged	Recharge battery or replace with a fully charged battery
	Defective Variable Speed Trigger	Have the Variable Speed Trigger replaced by an authorised Triton service centre
Slow cutting performance	Saw blade not suitable for the material being cut	Fit compatible saw blade
	Saw blade blunt	Fit new saw blade
	Incorrect cutting speed	Adjust cutting speed to match material requirements
Saw blade blunts quickly	Saw blade not suitable for the material being cut	Fit compatible saw blade
	Too much pressure exerted on to the tool	Use less pressure whilst moving the machine
	Cutting speed too fast	Reduce cutting speeds to material requirements
	No cutting fluid/cooling agent used when cutting metal	Use a suitable cutting fluid when cutting metal
When cutting an unsecured workpiece, the workpiece is vibrating and moving with the cut	There is a gap between the Shoe (2) and the workpiece	Ensure there is no gap (see Fig. V)
	The blade is bi-directional	Use a uni-directional blade so it mainly cuts as it pushes the material towards the Shoe (2)
	The blade tooth pitch is too coarse	Use a finer tooth pitch so less material is cut per reciprocating action and smoother cutting

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. This product is covered by a 36 month warranty.

- (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-authorised person or company or if non-approved parts have been used;
- (iv) where this product has been used for industrial purposes.

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.

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. These include, but are not limited to: Blades

To register your guarantee visit our web site at [www.tritontools.com](http://www.tritontools.com)\* and enter your details. Your details will be included on our mailing list (unless indicated otherwise) for information on future releases. Details provided will not be made available to any third party.

Serial Number: \_\_\_\_\_  
(located on tool housing)

## Notes

