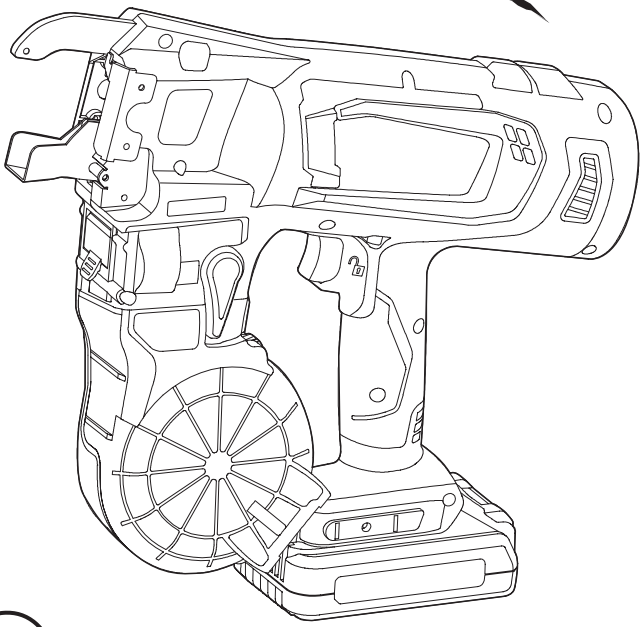
Rapidtool®
AUSTRALIA

WRAPTOR®



READ BEFORE USE

INSTRUCTION MANUAL
WRAPTOR CORDLESS REBAR TYING MACHINES
MODELS WRAP-44 + WRAP-65

V2 04/26

Please refer to our website www.rapidtool.com.au for the latest specifications and instruction manuals.

SAVE THESE INSTRUCTIONS.

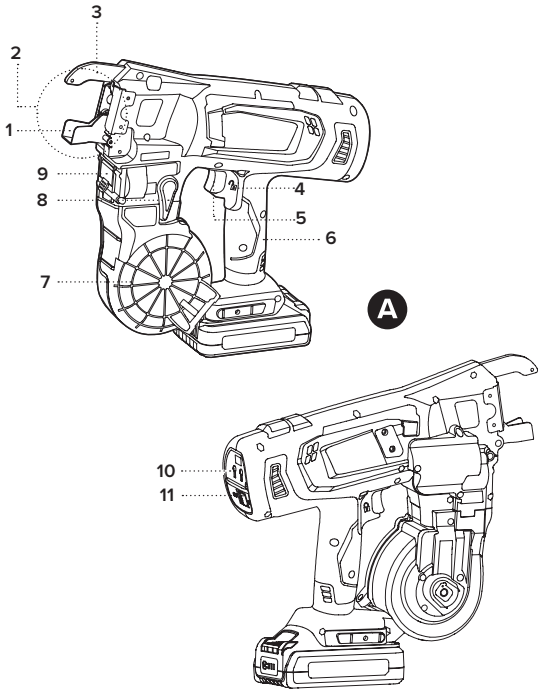
Reference model only – configuration may vary between tool and battery models.

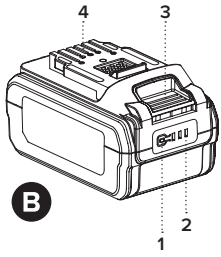
ENGLISH: ORIGINAL INSTRUCTIONS

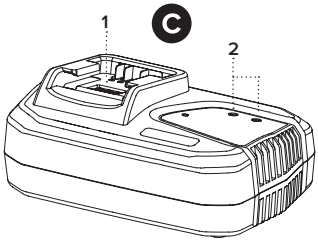
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1. PARTS AND SPECIFICATIONS







A) WRAPTOR Cordless Rebar Tying Machine

1. Curl guide 2. Tool mouth 3. Arm A unit 4. Trigger lock 5. Trigger
6. Handle 7. Wire reel cover 8. Reel stopper 9. Window
10. Display screen 11. Main switch.

B) BA-18-5X-A Battery Pack

1. Indicator button
2. Remaining charge display
3. Lock button
4. Terminal profile.

C) CH-18X-A Charger

1. Terminal slot
2. Charging indicator status display.

Tool Specifications

Main Technical Parameters

MODEL	WRAP-44	WRAP-65
Net Weight With Battery Pack	2.7kg	2.9kg
Dimensions LxWxH	320mm x 97mm x 330mm	350mm x 97mm x 335mm
Rated Rebar Diameter Range	12-44mm	30-65mm
Wraps Per Tie	1	1
Ties Per Charge	~4000	~3700
Tie Speed	0.5s	0.6s
Rated Voltage	18V ⎓	18V ⎓
Operating Temperature	0-40˚C	0-40˚C
Storage Temperature	0-50˚C	0-50˚C

Main Technical Parameters for Tying Wire

MODEL	WGW-1	WSSW-1	WBW-1
Material	Galvanised Wire	Stainless Steel Wire	Black Annealed Wire
Diameter (mm)	1.3	1.3	1.3
Length (mm)	37±1		

Applicable Battery Pack and Charger

Battery Pack	BA-18-5X-A
Charger	CH-18X-A

WARNING:
Only use the RAPIDTOOL REO-BOSS battery packs and chargers listed above. Use of any other battery packs and chargers may cause injury and/or fire.

Charger Specifications

MODEL	CH-18X-A
Net Weight	0.6kg
Dimensions LxWxH	185mm x 118mm x 77mm
Input	100-240V ~ 50/60Hz 140-140W
Output	20V ⎓ 4.5A
Charge Time	90 minutes
Operating Temperature	10-40˚C
Storage Temperature	0-50˚C

Specifications are approximate only due to variable factors such as tool or charger temperature, battery life, age and wear on tool or accessories, position of tool as well as size (includes ribs and bar spacing), strength, ductility and position of rebar or mesh being tied, etc.

With our continuous commitment to tool safety, research, and development, the specifications and details provided in this instruction manual provided here may change without prior notification.

Battery Pack Specifications

MODEL	BA-18-5X-A
Net Weight	0.7kg
Dimensions LxWxH	120mm x 77mm x 72mm
Rated Voltage	18V ⎓
Rated Capacity	5.0Ah
Operating Temperature	0-40˚C
Storage Temperature	0-50˚C

MODEL	BA-18-2.5X-A
Net Weight	0.4kg
Dimensions LxWxH	120mm x 77mm x 52mm
Rated Voltage	18V ⎓
Rated Capacity	2.5Ah
Operating Temperature	0-40˚C
Storage Temperature	0-50˚C

Reference to tool in this instruction manual includes the tool body, battery pack and charger.
Reference to battery in this instruction manual includes the battery pack and its components.

Please refer to our website www.rapidtool.com.au for the latest specifications and instruction manuals.

2. TOOL SAFETY LABELS

Below represent the tool safety labels and symbols which may be used for the tool.
Make sure you understand their meaning before use.

	Read instruction manual.
	The safety alert symbol indicates a potential hazard.
	Wear eye and ear protection.
	Wear protective gloves.
	**WARNING** Ejected Wire Hazard. Keep hands and body parts well clear of tool mouth.
	Do not use the tool in a wet or damp environment.
	Indoor use only.
	Do not short battery.
	Double insulation.
	Do not expose battery to water or rain.
	Do not destroy battery by fire.
	Always recycle battery.
	Always recycle.
	Do not expose power cord to water or rain.
	Risk of electric shock.

	The battery storage temperature should not exceed 50°C to reduce the risk of fire or explosion.
	This is the symbol for a fuse.
	Only use RAPIDTOOL REO-BOSS battery charger model CH-18X-A to charge this battery.
	Only use RAPIDTOOL REO-BOSS battery models BA-18-5X-A or BA-18-2.5X-A with this battery charger.

Meaning of “CAUTION” and “WARNING” indications:

CAUTION:
Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury. This is also used to caution against unsafe practices.

WARNING:
Indicates a potentially hazardous situation which, if not avoided, will result in death or serious injury.

RAPIDTOOL will not be responsible or assume liability for any unintended damages or personal injuries arising from negligence or due to the disregard of warnings and safety instructions outlined in the instruction manual or on the tool.

3. INTENDED USE

This tool is specifically designed for tying rebar.

Reference to rebar in this instruction manual may include other ribbed materials (or non ribbed material to rebar) within rated rebar diameter range. Please contact RAPIDTOOL for confirmation your material meets design specifications.

Any damage resulting from improper use as detailed above will void the warranty and the liability on behalf of RAPIDTOOL. The operator assumes full responsibility.

FOR INDUSTRIAL USE ONLY.

4. DISPOSAL OF WASTE ELECTRICAL AND ELECTRONIC EQUIPMENT



For customers in EU countries:

This tool (includes battery pack and charger) is subject to European Directives on waste electrical and electronic equipment (WEEE) and the corresponding national legislation. The WEEE directive outlines the procedure for handling electrical waste equipment across the EU.

The tool is labelled with the symbol of a crossed out dustbin shown here. This means you may not dispose of it with normal household waste but in a separate environmentally-friendly waste collection.

The proper disposal of this tool prevents the occurrence of any negative effects on people or the environment, follows the specific procedures for handling harmful substances and enables valuable raw materials to be recycled.

For customers in non-EU countries:

The proper disposal of this tool prevents the occurrence of any negative effects on people or the environment, follows the specific procedures for handling harmful substances and enables valuable raw materials to be recycled.

We recommend that this tool is disposed of in a separate, environmentally friendly waste collection and not with normal household waste.

When recycling or disposing of the tool (or parts of it) observe the regulations in force in the country of recycling or disposal. Various materials should be separated and recycled or disposed of separately where required (e.g. plastics, metals and batteries).

5. 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

1. **Keep work area clean and well lit.** Cluttered or dark areas invite accidents.
2. **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.
3. **Keep children and bystanders away while operating a power tool.** Distractions can cause you to lose control.

Electrical Safety

1. **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.
2. **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.
3. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
4. **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.
5. **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.
6. **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.
7. **Although power tools can generate electromagnetic fields (EMF) that are generally safe for users, individuals with pacemakers or similar medical devices should consult their device manufacturer and/or doctor for guidance before using such power tools.**

Personal Safety

1. **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.
2. **Use personal protective equipment. Always wear eye protection.** Protective equipment such as a dust mask, non-skid safety shoes, hard hat or hearing protection used for appropriate conditions will reduce personal injuries.
3. **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.
4. **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.
5. **Do not overreach. Keep proper footing and balance at all times.** This enables better control of the power tool in unexpected situations.
6. **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.

7. **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.
8. **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.
9. **Ensure you wear appropriate protective goggles to safeguard your eyes from potential injuries while operating power tools. The goggles must meet ANSI Z87.1 standards in the USA, EN 166 standards in Europe, or AS/NZS 1336 standards in Australia/New Zealand.**
Employers are obligated to ensure that both power tool operators and individuals in the immediate working area adhere to the usage of suitable safety protective equipment.

Power Tool Use and Care

1. **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.
2. **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.
3. **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 preventative safety measures reduce the risk of starting the power tool accidentally.
4. **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.
5. **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.
6. **Keep cutting tools sharp and clean.** Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.
7. **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.
8. **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.
9. **Do not wear cloth work gloves while using the power tool to avoid potential entanglement.** Such entanglement with moving parts could lead to personal injuries.

Battery Tool Use and Care

1. **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.
2. **Use power tools only with specifically designated battery packs.** Use of any other battery packs may create a risk of injury and fire.
3. **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.
4. **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.
5. **Do not use a battery pack or tool that is damaged or modified.** Damaged or modified batteries may exhibit unpredictable behaviour resulting in fire, explosion or risk of injury.
6. **Do not expose a battery pack or tool to fire or excessive temperature.** Exposure to fire or temperature above 130°C may cause explosion.
7. **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

1. **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.
2. **Never service damaged battery packs.** Service of battery packs should only be performed by the manufacturer or authorized service providers.

6. WRAPTOR REBAR TYING MACHINE GENERAL SAFETY

WRAPTOR cordless rebar tying machine models are handheld battery-operated tools. Reference to the tool includes tool body, battery pack, and charger.

Parts of this guide may only be relevant for specific WRAPTOR cordless rebar tying machine models. Use as a general guide.

WARNING:

Safety instructions and warnings contained in this instruction manual and on the tool should always be followed to reduce the risk of a fire, electric shock, personal injury or death.

Before operating the tool, read and carefully follow all safety instructions and warnings.

If you do not understand the instructions, or if conditions are not correct for proper operation, DO NOT OPERATE THE TOOL. Consult your supervisor or other responsible person.

Do not let comfort or familiarity with product (gained from repeated use) replace strict adherence to safety rules for the subject product. Misuse or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

Ensure full risk assessment is carried out and adhered to before use. Risk assessment should be based on hazards in this instruction manual as well as environmental hazards depending on operator situation.

Ensure trigger lock is activated, power is switched off and battery is removed when not in use.

Ensure trigger lock is activated before switching power on.

Ensure trigger lock is activated, power is switched off and battery removed when changing or adjusting wire coil.

Authorised personal protective equipment must be worn when operating tool (minimum requirement - safety glasses and protective gloves).

Ensure body parts are well clear of moving parts (tool mouth, feeding gears and wire coil). Ensure all safety covers are shut and locked securely. In particular keep hands well clear of tool mouth when power is on.

Use away from others, particularly children.

The appliance is not to be used 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.

Children should be supervised not to play with the appliance.

Never attempt to tie diameters outside of the rated diameter range for the model (refer to table in Tool Specification section).

Never attempt to service tool (other than general maintenance procedures outlined in Maintenance section). Contact an authorised RAPIDTOOL service centre if issues arise.

Only use RAPIDTOOL approved spare parts and accessories with tool.

Do not expose tool to wet or damp conditions.

Do not expose tool to hazardous materials (includes flammable items).

Only use tool in temperatures between 0-40˚C.

Ensure all screws are properly tightened and inspect tool, battery and charger for defects prior to use. Do not use products if defect is found, contact an authorised RAPIDTOOL service centre immediately.

Ensure tool is properly maintained in accordance with Maintenance Section.

CAUTION:

The warnings, precautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product but must be supplied by the operator.

SAVE THESE INSTRUCTIONS.

7. TOOL STORAGE

Reference to tool includes tool body, battery pack and charger, whether stored together or separately.

CAUTION:

- Store tool in temperatures between 0-50˚C.
- Store tool in cool, dry and well-ventilated place. Do not expose to wet, damp or humid conditions. These conditions may result in electric shock.
- Do not store tool in locations where the temperature may reach or exceed 50˚C (e.g. metal boxes and cars in summer). Doing so may shorten service life and cause battery or charger smoke and fire.
- Store out of reach of children.
- Do not expose battery or charger to hazardous materials including oxidizing and acidic materials, sparks, naked flames, gases, flammable liquids, excessive temperatures (including direct sunlight) or other potential sources of ignition. Doing so may cause fire or explosion.
- Store tool in accordance with local regulations.

8. BATTERY AND CHARGER SAFE OPERATION

CAUTION:

Only use genuine RAPIDTOOL REO-BOSS Battery Charger Model RT-CH-18X-A and RAPIDTOOL REO-BOSS Model BA-18-5X-A Li-Ion type rechargeable batteries with the tool. Use of an unauthorised battery or charger may cause risk of fire, personal injury and damage. It will also void any RAPIDTOOL warranty for the tool and charger.

Battery Safety

Tool and battery have advanced warning protection systems and emit a sound when specific issues are encountered. Refer to General Maintenance Section 10 for details.

WARNING:

Do not use a damaged battery due to risk of electric shock or fire.

CAUTION:

1. Use battery cover on battery when not in use to protect from unintended contact and damage.
2. Keep battery terminals clean (only use in dirt and dust free environments).
3. Make sure battery terminals do not come into contact with each other. Do not touch battery terminals.
4. Be careful not to drop or strike the battery. This may result in excessive heat, fire or explosion.
5. Never disassemble or modify the battery in any way.
6. Do not remove battery from its original packaging until required for use.
7. Only use the battery for which it was intended. Misuse can result in heat, fire or explosion.
8. Li-Ion batteries are subject to Dangerous Goods Legislation requirements. Special requirements on packaging and labelling must be observed for commercial transport. A hazardous materials consultant is required to assist with preparing batteries for transport. Tape or mask off open contacts and pack up the battery in such a manner that it cannot move around in the packaging.
9. Avoid contact with liquid from battery if battery has been compromised. If skin contact occurs flush with water. Remove contaminated clothing and shoes. In the case of skin irritation or allergic reactions consult a physician. If liquid contacts eyes, flush with clear water and seek immediate medical help as it may result in loss of eyesight. Liquid ejected from the battery may cause irritation or burns. Refer to safety data sheet for further information (available from RAPIDTOOL).

Battery Saving Function

The tool is equipped with a battery saving function and will automatically shut down after 10 minutes of no use.

Installing or Removing Batteries from the Tool

WARNING:

- Ensure trigger lock is activated and power is switched off before installing or removing the battery.
- Hold the battery and tool main handle firmly when installing or removing battery.
- Do not install the battery by force. If the battery does not slide in easily, it is not being installed correctly.

Install Battery

To install the battery *(Fig. 1A)*, align the terminal profile (4) on the battery (1) with the terminal slot (2) in the tool housing and slide it into place. Slide it all the way until it locks in place with a click. If the battery can be easily pulled out without pressing the lock button (5) after it is inserted, it means that the battery is not completely locked.

CAUTION:

Always ensure battery is installed correctly and is completely locked. If the battery is not installed correctly it may accidentally fall out of the tool causing injury to the operator or bystanders.

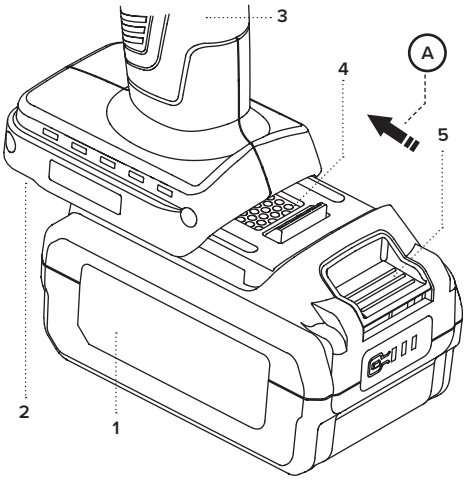


Fig. 1A: *1. Battery 2. Terminal slot 3. Main handle 4. Terminal profile 5. Lock button.*

Remove Battery

To remove the battery *(Fig. 1B)*, press the battery lock button (3) to disengage the battery (1) and slide the battery away from the base of the frame.

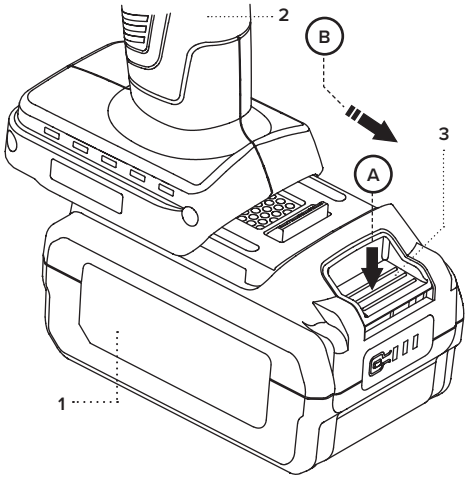


Fig. 1B: *1. Battery 2. Main handle 3. Lock button.*

Remaining Battery Capacity Indicator (Fig. 2)

Press the battery indicator button (1) to activate the remaining charge display (2) (see table below).

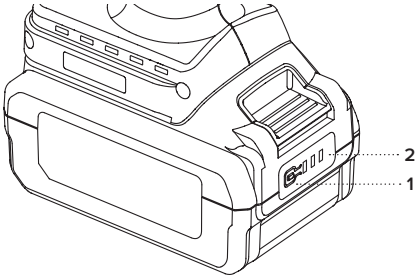


Fig. 2: *1. Indicator button 2. Remaining charge display.*

Remaining Charge Display ■ : ON □ : OFF	Remaining Charge Capacity
■ ■ ■	60-100%
□ ■ ■	20-60%
□ □ ■	0-20%
□ □ ■ □ ■ ■ ■ ■ ■	Battery is charging

Note: Actual battery performance may vary slightly from the indicated battery charge displayed, depending on operating conditions and temperature.

Maximising Battery Life

1. Charge battery before it is completely discharged. Always stop tool operation and charge the battery when encountering a reduction in tool power.
2. Never recharge a fully charged battery. Overcharging shortens the battery life.
3. Charge the battery pack with ambient temperature between 10-40°C. Let a hot battery pack cool down before charging it.
4. Ensure new batteries or batteries which haven't been used for three months are fully charged before use.
5. Remove battery and use battery cover on battery from the tool when not in use.

Charger Safety

WARNING:
Electrical voltage. Risk of electrocution.

Insulation class rating requirements below include power supply with extension cords and generators.

Electric power supply requirements for electrical appliances of class rating I:

- Connection of all conductive housing components to the grounded conductor. Plug connection with grounded conductor contact. Do not use plug adaptor.

Electric power supply requirements for electrical appliances of class rating II:

- Electrical appliances of class rating II have a strengthened or double insulation (protective insulation). They have no connection to the grounded conductor.

RAPIDTOOL REO-BOSS battery charger model CH-18X-A should be used for charging RAPIDTOOL REO-BOSS model BA-18-2.5X-A and BA-18-5X-A battery packs only. Use of any other battery packs may cause injury and/or fire.

Extension Cord

If it is necessary to use an extension cord with the battery charger, extension cord must be rated for charger specifications included on the charger rating plate and in this instruction manual.

Extension cords must meet relevant national safety standards.

The charger may only be operated with undamaged, untangled and tested extension cords.

Immediately replace damaged extension cables, damaged or loose plugs and couplings.

Only use tested extension cords which are suitable for construction site environments. RAPIDTOOL recommends H05RN-F or better cord (or a country-specific equivalent).

When using an extension cord with the charger, it is recommended to use a cord with the cross section below and with a length as short as possible.

Relation between usable cord thickness and maximum length:

Cord size (Nominal cross sectional area of conductor)	Maximum cord length
1.0mm^2	25m
1.5mm^2	40m

Generators

If a generator is required for power supply, generator must have adequate safety protections and power supply. Observe the respective national safety regulations.

Do not use booster transformers or vehicle generators as these may cause overheating and fire.

Safe Charging Procedure:

WARNING:

1. Charger must be connected to a residual current device (RCD) protected 50/60Hz, 100-240V a.c. power supply. Use of an RCD reduces the risk of electric shock.
2. Do not touch charger plug with wet hands this may cause electric shock.
3. Do not use a damaged battery or charger. Do not charge a damaged battery due to risk of electric shock or fire.
4. Only charge battery in dry and well-ventilated places. Do not expose charger to wet, damp or humid conditions. These conditions may result in electric shock.
5. If during charging, there is an abnormal generation of heat, stop charging immediately. Continuing charging may cause smoke, fire or explosion.

CAUTION:

1. Fully charge battery before initial use.
2. Only charge battery in ambient temperatures between 10-40˚C. Charging outside of this range may lead to explosion or fire.
3. Charging time may be slower in lower temperatures.
4. Do not leave battery in charger once fully charged.
5. Only charge directly via charger.
6. Do not use the charger to supply d.c. power.
7. Only recharge the battery under surveillance and not leave charger unattended.
8. If battery is hot allow to cool down before charging.
9. Do not cover or place anything on the charger during use. Do not block charger ventilation holes when charging as this can cause overheating and fire during charging.
10. Leave charger to rest between charges.
11. Do not charge the battery in explosive atmospheres, such as in the presence of lacquer, paint, benzin, thinner, gasoline, gasses or adhesive. This may cause an explosion or fire.
12. Do not charge the battery on paper, cardboard, cloth, cushions, mats, carpets, vinyl or in the presence of dust. This may cause fire.
13. Keep charger terminals clean (only use in dirt and dust free environments).
14. Keep charger away from conductive materials. This includes 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 terminals together cause a large current flow, overheating and may cause burns, fire or explosion.
15. Make sure charger terminals do not come into contact with each other. Do not touch charger terminals.
16. Be careful not to drop or strike the charger. This may result in excessive heat, fire or explosion.
17. Never disassemble or modify the charger in any way.
18. Do not remove charger from its original packaging until required for use.
19. Only use the charger for which it was intended. Misuse can result in heat, fire or explosion.
20. Check battery charger power cord, extension cord and plug for damage or entanglement before use. Do not use entangled or damaged cords or plugs. Use of entangled or damaged cords or plugs will increase risk of electric shock or short circuit resulting in fire. To avoid safety hazard, contact an authorised RAPIDTOOL service centre for assessment and replacement if charger power cord or plug is damaged.

Charging Procedure (Fig. 3)

Indicators	Meaning
Constant red light	Charger in standby
Flashing green light	Battery charging
Slower flashing green light	Battery charging >80% full
Constant green light	Battery charging complete

1. Connect charger power cord (4) to a residual current device (RCD) protected 50/60Hz, 100-240V a.c. power supply. Charging indicator status display (3) will display constant red light.
2. Insert battery terminal profile (1) into charger terminal slot (2). If this is done correctly battery will automatically begin to charge (charging indicator status displays flashing green light). Note green light will flash slower once battery reaches 80% of charge capacity.
3. When fully charged (charging indicator status display will display constant green light), remove battery from charger.
4. Disconnect charger from its power supply after use.

WARNING:

Indicators	Meaning
Quick flashing red light	Battery too hot or cold
Slower flashing red light	Battery unable to be charged

1. If charging indicator status displays quick flashing red light - battery is too hot or cold.

   If battery is too hot - remove battery and allow to cool. Alternatively, charger cooling fan will cool battery before charging operation begins.

   If battery is too cold allow battery to warm up to specified temperatures.
2. If charging indicator status displays slower flashing red light - battery is unable to be charged and needs replacing.

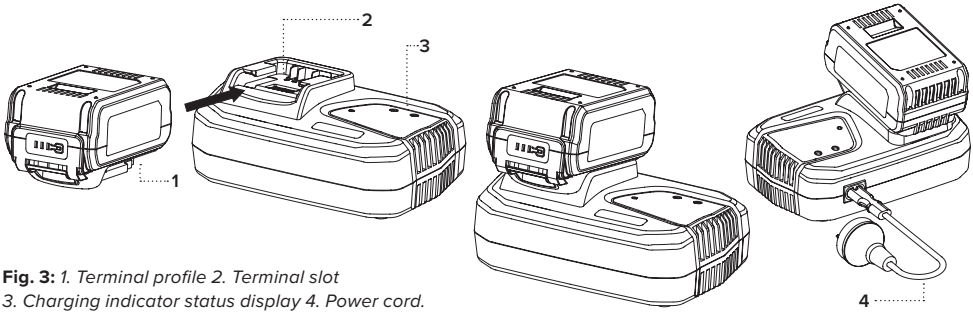


Fig. 3: *1. Terminal profile 2. Terminal slot 3. Charging indicator status display 4. Power cord.*

9. WRAPTOR REBAR TYING MACHINE SAFE OPERATION

WARNING:

1. Carry out pre-use checks before operation.
2. **Ejected Wire Hazard. Keep hands and body parts well clear of tool mouth and ejected wire zone.** Contact with ejected wire can cause serious injury.
3. **Ensure all safety covers are shut securely** and body parts are well clear of moving parts (feeding gears and wire coil). Contact with moving parts can cause serious injury.
4. Never point at or operate the tool near bystanders as this can cause serious injury.
5. It is an employer's responsibility to enforce the use of appropriate safety protective equipment by the tool operators and by other persons in the immediate working area.
6. Ensure tool trigger lock is activated, power is switched off and battery is removed from tool when not in use or before performing any general maintenance, inspection and cleaning.
7. Hold the tool securely while in use by gripping the main handle. Do not overreach. If the tool is not held securely, you may be injured.
8. Authorised personal protective equipment (PPE) must be worn when operating tool. Minimum PPE requirement whilst operating tool includes safety glasses and protective gloves. PPE must comply with national standards based on the country of use.

   This tool generates noise levels that may cause hearing damage. Operators must comply with local workplace health and safety requirements relating to noise exposure. **Hearing protection must be worn when operating the machine**.

CAUTION:

1. Secure and ensure the rebar remains stationary during tying. Movement during tying may cause injury.
2. Adopt a suitable ergonomic posture while operating the tool. Maintain secure footing and avoid awkward or unbalanced positions.
3. Slips, trips, and falls are major causes of workplace injuries. Be mindful of slippery surfaces when operating the tool.
4. Never use tool in a wet, damp or humid environment due to increased risk of electric shock.
5. Never attempt to service tool (other than general maintenance procedures included in this instruction manual). Contact an authorised RAPIDTOOL service centre if issues arise.
6. Only use tool to tie rebar between rated rebar diameter range. Refer to Tool Specification Section for details.
7. Only use RAPIDTOOL approved spare parts and accessories with the tool. Using unauthorised parts and accessories may cause personal injury and damage to the tool.
8. Unused wire may rust over time. Do not use rusted wire. Substandard wire may cause machine, material and structural safety issues.
9. Only use tool with battery in ambient temperatures between 0-40˚C. Using battery outside of this range may lead to explosion or fire.
10. Do not use tool with faulty switch or trigger lock.
11. Be careful not to drop or strike tool. If you drop or strike the tool, check the tool body for damage. Damage to the tool may cause it to malfunction causing injury.
12. Activate trigger lock, switch power off and remove battery when:
    - Tool is not in use.
    - Performing maintenance on tool (includes changing wire coil or removing wire from tool mouth).
    - An abnormal experience is encountered (e.g heat) during use.
    - Removing or installing battery.

    When specific issues are encountered, refer to General Maintenance Section 10 for details.

    Contact an authorised RAPIDTOOL service centre for assessment of issues outside of General Maintenance Section 10.
13. If battery operating time has become excessively short, stop operating immediately. There is risk of overheating, fire or even explosion causing personal injury.
14. Do not remove battery whilst tool is in use. Doing so will damage electronics.
15. Do not move to the next tying position until the current tying is complete. Premature movement may result in damage or injury.
16. Do not cover air vents on tool. Poor ventilation may lead to motor overheating and potential burn out.
17. Do not touch wire after tying as it may be hot.
18. Extended use of the tool may cause discomfort in the operator's arms, shoulders, neck, or other body parts. Exposure to vibration can also cause severe damage to the nerves and blood supply in the hands and arms. If you experience symptoms such as persistent or recurring discomfort, pain, throbbing, aching, tingling, numbness, burning sensations, or stiffness, do not ignore these warning signs. Consult a qualified health professional about your overall activities.
19. Residual risks associated with repetitive work should be avoided. Risks include the duration of use based on working positions.
20. Exercise extra caution in unfamiliar surroundings, as hidden hazards, such as electricity or other utility lines, may be present.

Safety Features

Tool and battery have advanced warning protection systems and emit a sound and/or error code when specific issues are encountered. Refer to General Maintenance Section 10 for details.

Trigger Lock

Tool has a trigger lock to prevent accidental use.

WARNING:

Ensure tool trigger lock is activated, power switched off and battery is removed from tool when not in use or before performing any general maintenance, inspection, changing coils and cleaning of the tool.

See image below to activate (lock)/deactivate (unlock) trigger lock. (Fig. 4).

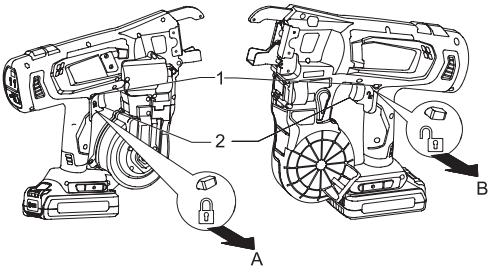


Fig. 4: *1. Trigger lock 2. Trigger.*

Safety Covers:

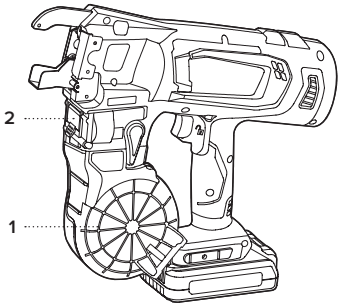


Fig. 5: *1. Wire reel cover 2. Window.*

Ensure wire reel cover and window is shut and locked before use to prevent exposure to moving coil and gears.

Machine Operation

Switching On

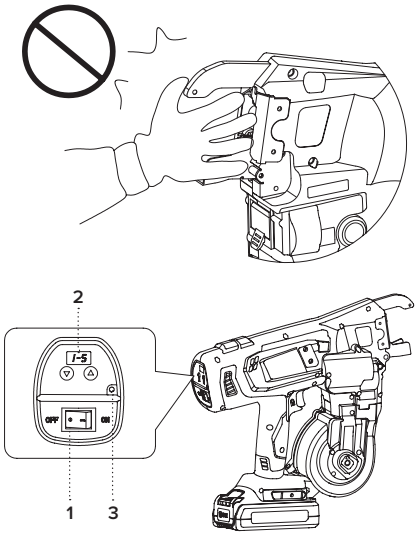


Fig. 6: *1. Main switch 2. Display screen 3. Power indicator light.*

Ensuring trigger lock is activated, insert battery and switch main power on.

Power indicator light should illuminate and tool will carry out system health check.

Note: The tool is equipped with a battery saving function and will automatically shut down after 10 minutes of no use. Restart is required after shutdown.

Tie Tension Adjustment Settings

The adjustment button regulates the tie tension. The first digit on the display screen indicates the number of tie wraps and the second digit indicates the tie tension as shown below.

Press ▲ to increase tension (tighter). Press ▼ to decrease tension (looser). Tension levels range from 1 to 6.

Higher numbers indicate greater tension.

Note: If the tie breaks, reduce tie tension using the adjustment button.

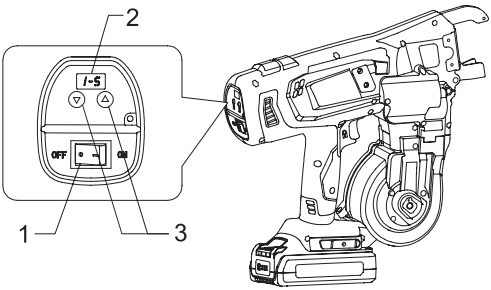
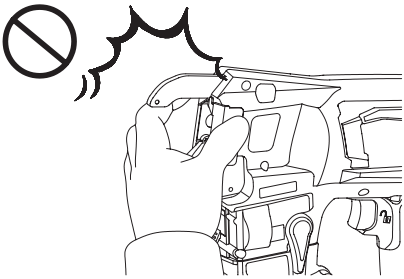


Fig. 7: *1. Main switch 2. Display screen 3. Adjustment button.*



Reloading Tie Wire Coils

Replace tie wire coils if tool makes 3 beeps and error code E34 is displayed on display screen.

SCAN FOR VIDEO

CAUTION:

When installing or removing wire coil, ensure trigger lock is activated, power is switched off and battery removed.

Note: Tool has counterfeit wire detection sensor. Using non-genuine RAPIDTOOL wire coil may cause tool malfunction and will void any RAPIDTOOL warranty.

Removing Wire Coil:

1. Rotate the reel stopper to open the wire reel cover.

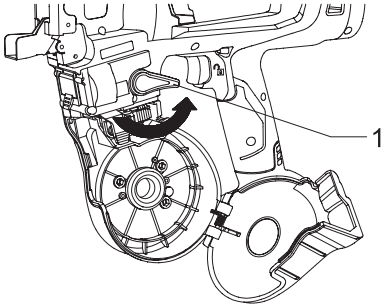


Fig. 8: *1. Reel stopper.*

2. Press release lever to separate the left and right feeding gears and create clearance.

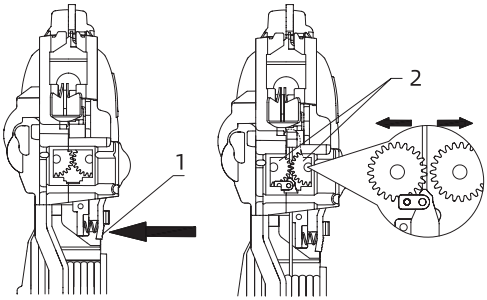


Fig. 9: *1. Release lever 2. Feeding gears.*

3. Pull wire out and remove wire coil.

Installing Wire Coil:

Skip to 3 if have just removed wire coil.

1. Rotate the reel stopper to open the wire reel cover.
2. Press release lever to separate the left and right feeding gears and create clearance.
3. Install the wire coil into the tool in the direction shown in diagram, with the QR code side facing inward into the wire reel magazine.

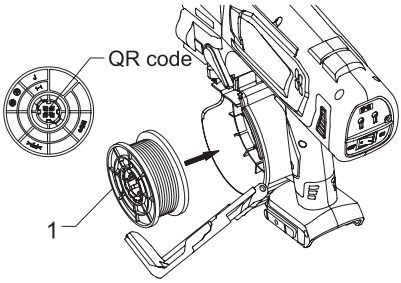


Fig. 10: *1. Wire coil.*

Note: Install the wire reel strictly in the direction shown in diagram. Otherwise, the tie wire wire unravel and may kink.

4. Extract the wire end and feed straight wire through the wire guide C. Ensure wire is straight without any kinks while feeding.

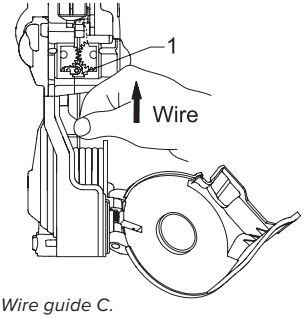


Fig. 11: *1. Wire guide C.*

Note: Attempting to force the wire through the wire guide C may cause damage to the tool.

5. Keep feeding wire through wire guide C until it passes through the feeding gears and rotary cutter assy and visably protrudes into tool mouth.

Note: Wire should be visible in tool mouth

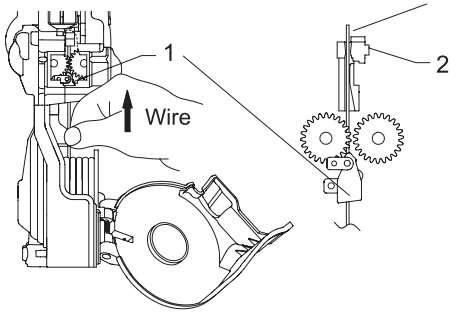


Fig. 12: *1. Wire guide C 2. Rotary cutter assy.*

6. Press the locking lever to release the release lever, enabling the left and right feeding gears to positively grip the tie wire.

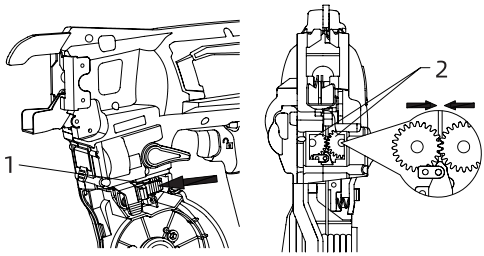


Fig. 13: *1. Locking lever 2. Feeding gears.*

Note: When the release lever is released, the left and right feeding gears interlock and their matching grooves form a defined channel. This channel is the precise pathway for the tie wire. Ensure the wire passes through this channel correctly.

7. Close the wire reel cover and rotate the reel stopper to lock it.

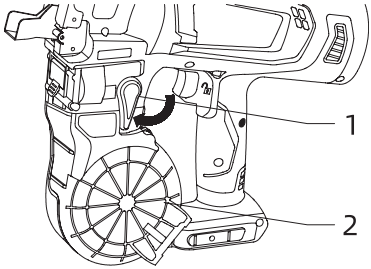


Fig. 14: *1. Reel stopper 2. Wire reel cover.*

Pre-use Checks

1. Ensure trigger lock is activated and power is switched off.
2. Check tool for damage or deformities. Do not use a damaged or deformed tool. Contact an authorised RAPIDTOOL service centre for assessment.
3. Ensure all tool screws and bolts are properly tightened.
4. Ensure wire reel cover and window is shut and locked before use to prevent exposure to moving wire coil and gears.
5. Check battery charge is sufficient.
6. Check battery is undamaged and is properly inserted.
7. Check tool is clean. Refer to General Maintenance Section 10 for details.
8. Check workspace area is clear and tool is free from obstruction. Before operation, confirm that the position of the operator, relative to the tool and the surrounding area is safe for operation. Check there are no bystanders or flammable materials in the workspace. Failure to do so could cause serious personal injury.

Note: Switch on main switch to power on.

Power indicator light should illuminate. If light does not illuminate remove and perform battery charge.

Tool will also carry out system health check.

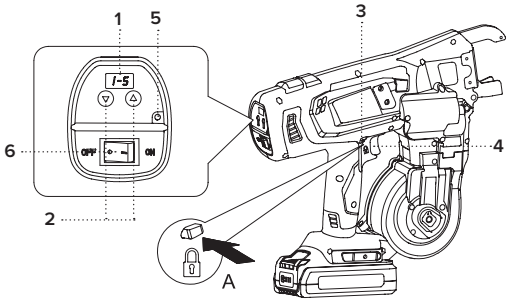


Fig. 15: *1. Display screen 2. Adjustment button 3. Trigger lock 4. Trigger 5. Power indicator light 6. Main switch.*

Tying Procedure

1. Deactivate the trigger lock.
2. Place the arm A unit in a 45° angle over the rebar cross surface and push the tool mouth towards the rebar as shown in Tying Technique Section.
3. Pull the trigger.
4. The tool will tie automatically.
5. Remove the tool when the tying is complete by lifting the tool vertically upward.

Quick diagnosis:

No sound - turn on main switch or recharge battery.

1 beep - error code E11 displayed - recharge battery.

3 beeps - error code E34 displayed - replace tie wire coil.

1 long beep + 2 short beeps - error code E44 displayed - remove wire stuck around twister hook.

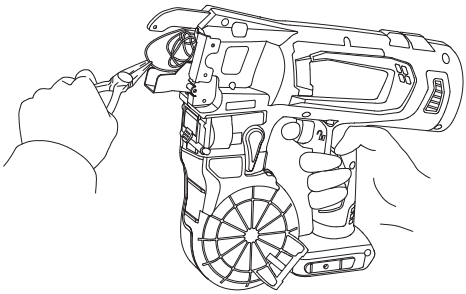
Refer to Instruction Manual and General Maintenance Section 10 for more details.

CAUTION:

- Do not move the tool during tying or until the tie is complete. Doing so may cause issues due to wire entanglement in twister hooks.
- Firmly grip the handle during use.
- Never touch the tie wire during or after operation.

CAUTION:

If the tie wire becomes tangled around the twister hooks in the tool mouth, activate the trigger lock, switch the power off, remove the battery and use pliers to safely remove the trapped wire from inside the tool mouth.

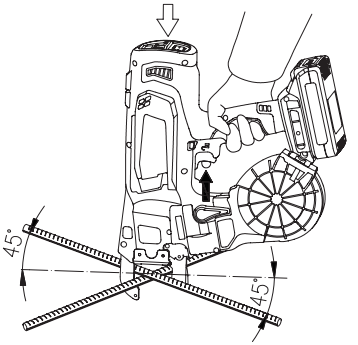


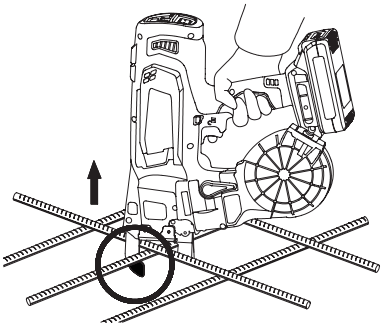
Tying Technique

Ties may be loose if:

- **Correct tying technique is not used.**
- **Rebar is not secured and able to move during operation.**

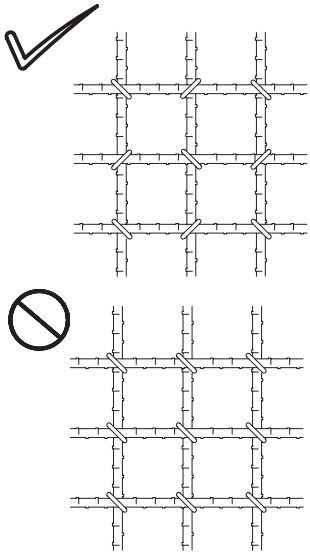
1. Position tool vertically and at 45° angle over rebar intersection. Rebar must touch the inside face of top beak (Arm A unit).



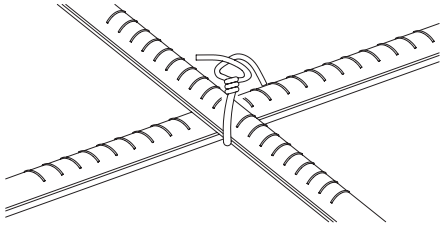


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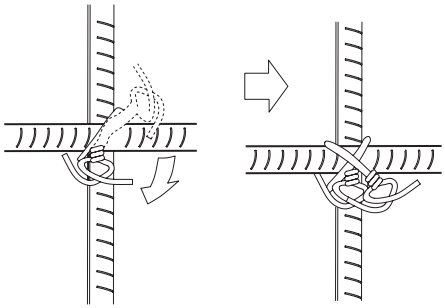
2. Tie in alternate directions for more secure tie.



3. Avoid ribs on rebar during tool operation.



4. If initial tie tension is not enough, execute another tie from the opposite direction to achieve tie tension (double tie).



Note: Before executing another tie, bend the tail of the initial tie. Failure to do so may cause the second tie to become obstructed, and could entangle wire in the tool mouth and damage the twister hook.

10. ACCESSORIES - ELECTRONIC EXTENSION ARM

Electronic Extension Arm Assembly

1. Electronic Extension Arm kit includes electronic extension arm (1), crutch/arm support (2), 2 hex keys and 1 hex screw (3). (Fig. A)

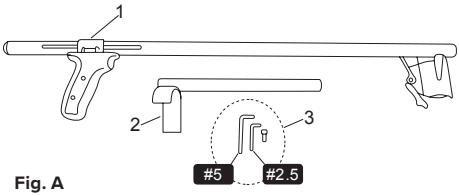


Fig. A

2. Attach the crutch/arm support to the electronic extension arm (Fig. B).

- Position the crutch/arm support (1) at the end of the electronic extension arm handle (2).
- Insert the hex screw (4) into the hole and tighten using the hex key #5 (3).

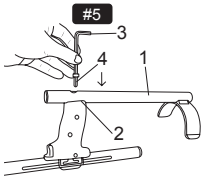


Fig. B

3. Secure the crutch/arm support (1) by tightening the hex screw with hex key #5 (2) (Fig. C).

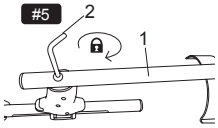


Fig. C

4. Adjust the length of the electronic extension arm to suit the operator's needs (Fig. D).

- Loosen the four hex screws (2) on the electronic extension arm handle with the hex key #2.5 (1).
- Adjust the electronic extension arm to the required position and secure it by tightening the hex screws.

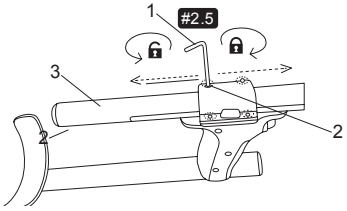


Fig. D

Installing Rebar Tying Machine

1. Turn the lock handle (1) clockwise to remove it, then set aside the flat washer and lock handle for later use (Fig. E).

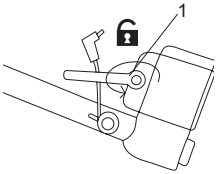


Fig. E

2. Place the rebar tying machine handle (1) into the electronic extension arm bracket (2) (Fig. F).

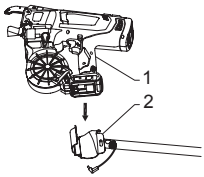


Fig. F

3. Close the hinge (top part) of the electronic extension arm bracket (1) (Fig. G).

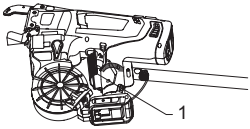


Fig. G

4. Position the flat washer (2) onto the hex socket countersunk screw (3). Securely tighten the screw using the lock handle (1) (Fig. H).

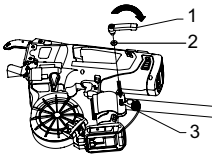


Fig. H

5. Turn the reel stopper (1) to open the wire reel cover (2) (Fig. I).

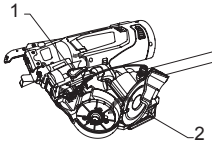


Fig. I

6. Remove the small rubber plug from the DC socket (1), then connect the DC plug (3). Ensure the cord is correctly positioned in the wire reel cover groove (2) (Fig. J).

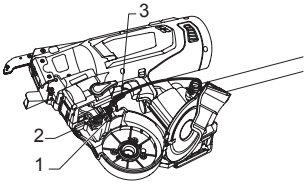


Fig. J

7. Close the wire reel cover (2) and lock the reel stopper (1) in place (Fig. K).

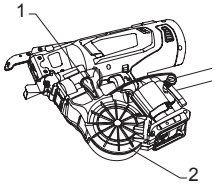


Fig. K

Note: Ensure the cord does not obstruct the wire reel cover from closing fully, as this may cause issues during operation.

Operating Instructions

1. Install RAPIDTOOL wire coil as per instructions in this instruction manual.
2. Press the trigger (1) on the electronic extension arm to activate the rebar tying machine. (Fig. L).

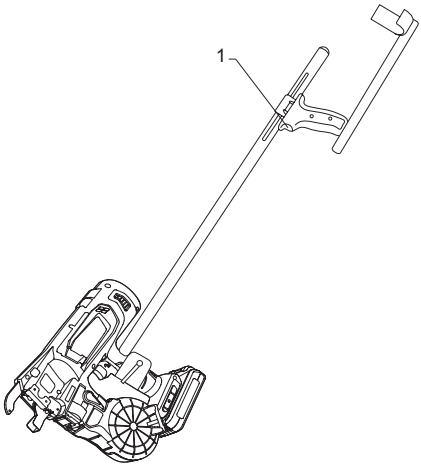


Fig. L

11. GENERAL MAINTENANCE

CAUTION:

Ensure trigger lock is activated, power is switched off and battery removed when not in use or when inspecting or performing maintenance on tool.

Only use RAPIDTOOL approved spare parts and accessories with tool. The design of the tool meets specific safety standards. Using unauthorised parts and accessories may cause personal injury and damage to the tool.

Do not attempt to dismantle or modify an components of this tool other than carrying out general maintenance in this instruction manual. Repairs and servicing must be carried out at an authorised RAPIDTOOL service centre (contact +61 2 9098 8943). Unauthorised repairs or maintenance will void any RAPIDTOOL warranty.

Local regulations relating to tool maintenance items may not allow untrained/unqualified users to perform specific maintenance items listed in this instruction manual. Do not perform maintenance items prohibited by local regulations.

Tool is equipped with advanced warning detection features. Please refer to Troubleshooting Guide at end of instruction manual. If issue persists, contact RAPIDTOOL or an authorised RAPIDTOOL service centre for diagnosis before further use.

Suitable personal protective equipment (PPE) must be worn when performing maintenance work on the tool. Minimum PPE requirement includes safety gloves.

Never use gasoline, oil, benzine, thinner, alcohol or similar chemicals on the tool body as discolouration, deformation or cracks may result.

Check there are no missing or excess parts and that screws and bolts are securely fastened after general maintenance is carried out. Missing or excess parts and loose screws or bolts can cause personal injury when the tool is operated as well as damage to the tool.

Ensure wire reel cover and window is shut and locked before use.

Cleaning

Clean and check the tool on a regular basis.
Ensure the tool body is clean before use. Clean using durable cloth, paying particular attention to motor vents and ensure there is no obstruction to the motor ventilation systems.

Blow out tool using a low-pressure compressed air gun:

1. Remove wire coil and open feeding gears.
2. Open feeding gear window, then blow out feeding gears.
3. Open wire reel cover and blow out inside of coil magazine.
4. With the wire reel cover open, position air gun nozzle up into wire feed channel and blow out wire feed channel.
5. Blow out tool mouth.

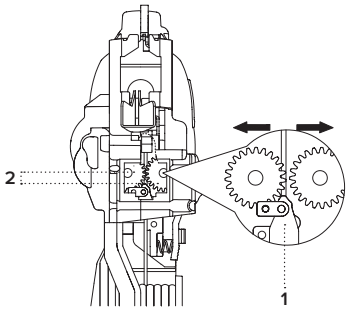


Fig. 16: *1. Wire feed channel 2. Feeding gears*

Do not use oil based lubricants to clean product as this may void warranty.

CAUTION:

- Poor ventilation can cause the motor to overheat, damaging the tool.
- Ensure the motor runs without any abnormal noise.
- Never use gasoline, oil, benzine, thinner, alcohol or similar chemicals on the tool as discolouration, deformation or cracks may result.
- Use protective gloves when handling to protect hands from metal splinters.

Troubleshooting

The details below highlight standard issues and remedial measures that may be carried out by the operator.

For any other issues please stop using the tool immediately and contact RAPIDTOOL on +61 2 9098 8943 to arrange an authorised service centre to assist.

Common faults and removal methods

WARNING SOUND	ERROR CODE	POSSIBLE ISSUE	POSSIBLE CAUSES	POSSIBLE MEASURES
No sound	No code	No operation	Battery charge empty	Charge battery (pg 9-13)
1 beep	E11		Battery voltage too low	Charge battery (pg 9-13)
	E12		Battery voltage too large	Replace battery
				Replace charger
3 beeps repeated	E31	Trigger is on and no wire is fed out	Feeding motor overheat	Wait to cool
	E32		Feeding motor over current	Restart the tool
	E33 E34		Wire feeding stops. Feeding motor stalling.	Replace with new wire coil if wire out (pg 16-17)
				Check if wire caught inside reel and remove entangled wire
				Check wire feeding channel for obstruction and blow out or remove any debris or loose wire
				Check wire is straight and cut any kinks
4 beeps repeated	E41	Wire twisting not working	Twisting motor overheat	Wait to cool
	E42		Twisting motor over current	Restart the tool
	E43		Twisting stops	Restart the tool
1 long beep and 2 short beeps repeated	E44		Twisting motor stalling	Check if twisting hook stuck and clear entangled wire
4 beeps repeated	E46		MOSFET overheat	Wait to cool
5 beeps repeated	E51		QR code error	Replace wire coil and check QR code clarity
	E52		Excessive use of wire coil	Replace wire coil
6 beeps repeated	E61	No operation	MCU overheat	Wait to cool



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