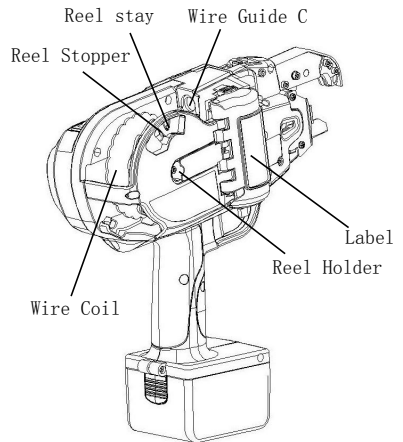
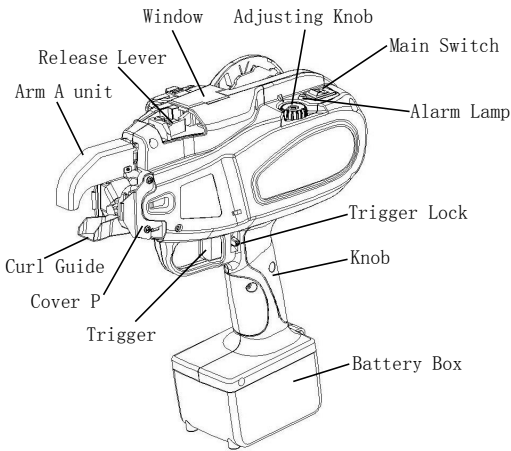


Index

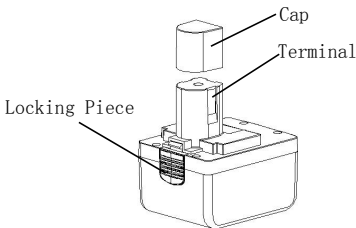
1. Each part and their names
2. Safety
3. Safety lock
4. Product specification and technical parameters
5. Battery and charger usage
6. Machine operation and method employed
7. Common faults and removal methods
8. Replacement of gears
9. Care and maintenance

1. Each part and their names

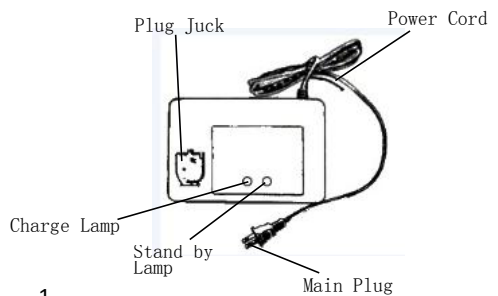
Front and back of machine



Battery



Charger



2. Safety

This equipment is a high performance battery operated tool. Failure to follow the warnings and instruction may result in electrical shock, fire or serious injuries.



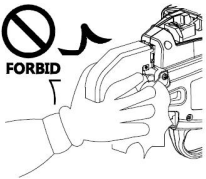
1) .Always operate the tool with personal protective equipment(Safety helmet and eye protection).Using the appropriate safety equipment at all times will avoid body injury.



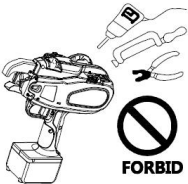
2) .Keep children and by standers away while operating tool.Distracted may cause accident.



3) .Do not aim the tools at by standers or co-workers.Serious accident may happen due to mishandling of tool.



4) Do not place hand or position the machine mouth (between arm A and curl guide)near the body.This will cause serious injury.



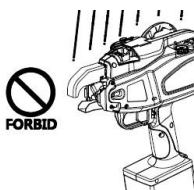
5) .Do not attempt to dismantle,modify or perform any maintenance on this tool,any modification may result in deterioration of the tool's performance and may cause serious body injury.



6) .When the machine is not being used or when abnormalities occur,please turn the switch off.When changing or adjusting the battery,make sure to turn off the main switch,and lock the trigger.



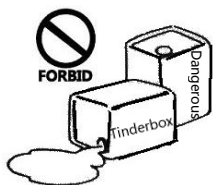
7) .Do not place fingers, hand or body position at the wire coil area.This may result in distortion of the coil and may cause body injury.



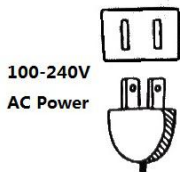
8) .Do not operate the tool under rain.This may result in electrical shock and accident.



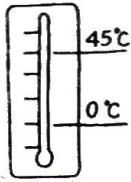
9) .Stay alert while working at a loft area.Do not operate the tool under the influence of drug,alcohol and medication.A moment of inattention may result in serious body injury.



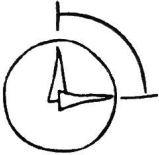
10) .Do not operate the tool at hazardous area such as present of flammable liquid,gas and powder which may ignite and cause fire.



11) .The charger is being designed to use AC power(100-240V, 50/60HZ).Do not recharge the battery using power supply by generator as this will cause the charger to malfunction.



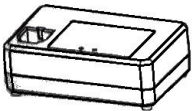
12) .When charging, the ambient temperature shall be at the range of 0 °C -45 °C ,super-cooling or over-heating environment is not suitable for charging.



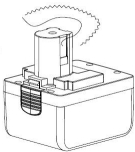
13) .Continuous use of charger is not allowed as this will shorten the life span of the battery and the performance of the charger.When not in charging mode, the power supply must be switch off.



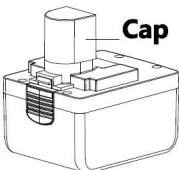
14) .Please do not carry the charger by its power cord.Do not pull out the power cord from power socket with strong force, this will damage the cord and break the wires or cause a short circuit.A damage cord must be repaired or replaced.



15) .Use only specify charger.Using unauthorized charger may result in damage to battery and explosion.



16) .Avoid battery terminal from contact with other metal.Trying to recharge with external wire may result in short circuit of the battery.



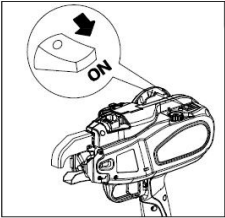
17) .Use the protective cap to cover the terminal when not in use.

3. safety lock

WARNING!Make sure the safety features are operational before using

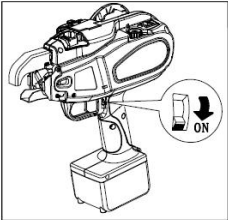
the tools. Do not operate the tool if the safety lock is not functional. To make sure safe operation, the machine is equipped with the safe devices as follow:

1) .Main switch



Turn the switch on for power supply when it operation.

2) .Trigger lock



Always turn the trigger lock to OFF position when not in use or when changing the coil.

4. product specification and technical parameters

1).Main technical parameters

Model	KYA-210B	KYA-400B
Dimension(mm)	275*120*275	295*120*275
Total weight(kg)	2.2(include battery)	2.25(include battery)
Voltage(V)	14.4	14.4
Max.tying dia. (mm)	21	40

2).Main technical parameters for tying wire

Model	KYA
Diameter (mm)	φ0.8
Material	Q195
Length(m)	100 (approx)

3).The corresponding rebar size for each tying machine

KYA-210B		Longitudinal steel dia.						
		φ6	φ8	φ10	φ12	φ14	φ16	φ18
Traverse Steel Dia.	φ6	O	O	O	O	O	O	O
	φ8	O	O	O	O	O	O	X
	φ10	O	O	O	O	O	X	X
	φ12	O	O	O	O	O	X	X
	φ14	O	O	O	X	X	X	X
	φ16	O	O	X	X	X	X	X
	φ18	O	X	X	X	X	X	X

KYA-400B		Longitudinal steel dia.											
		φ6	φ8	φ10	φ12	φ14	φ16	φ18	φ20	φ22	φ25	φ28	φ32
Traverse steel dia.	φ6	O	O	O	O	O	O	O	O	O	O	O	O
	φ8	O	O	O	O	O	O	O	O	O	O	O	O
	φ10	O	O	O	O	O	O	O	O	O	O	O	X
	φ12	O	O	O	O	O	O	O	O	O	O	O	X
	φ14	O	O	O	O	O	O	O	O	O	O	X	X
	φ16	O	O	O	O	O	O	O	O	O	X	X	X
	φ18	O	O	O	O	O	O	O	O	O	X	X	X
	φ20	O	O	O	O	O	O	O	O	X	X	X	X
	φ22	O	O	O	O	O	O	O	X	X	X	X	X
	φ25	O	O	O	O	O	X	X	X	X	X	X	X
	φ28	O	O	O	O	X	X	X	X	X	X	X	X
φ32	O	O	X	X	X	X	X	X	X	X	X	X	

5. Battery and charger usage

WARNING! Before assemble and disassemble the battery, do set the main switch to OFF position.

- 1) .To avoid short circuit to the battery, always cover the battery terminal with the terminal cap when not in use.
- 2) .When placing the battery into the tool, press the battery lock before placing the battery into the slot. When require to remove the battery, press the battery lock button before pulling the battery out from the slot.

3) .Use 100–240V AC, 50/60HZ power supply for the charger. Fully insert the battery into the charger slot and it will begin to charge automatically and is being indicated by the charging light. It will take about 70 minutes to fully complete charge a battery.

4) .It is recommended to charge the battery at 0°C–45°C. Do not charge under extremely cold or hot environment.

6. Machine operation and method employed

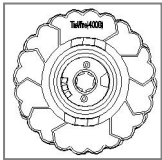
WARNING! Before assemble and disassemble the wire coil, turn the main switch to OFF position. lock the trigger and remove the battery.

1. Installation of wire coil

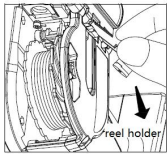
Only the matching tie wire without rust is applied to this machine.



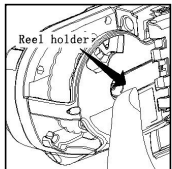
1) .Only use the original wire coil. Using non standard wire coil will cause the tool to malfunction.



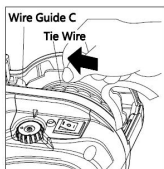
2) .Remove part of the adhesive tape(if applied) and cut off about 2cm of the head of wire.



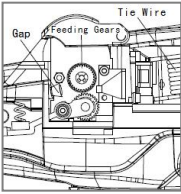
3) .Push the reel stopper to release the reel stay and open reel holder at the same time.



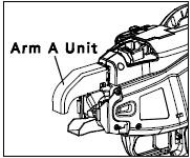
4) .Install the wire coil and lock the reel holder.



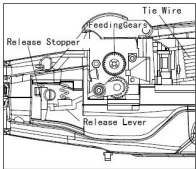
5) .Insert the wire into the wire guide C. (Note:the wire must not be bent or curved)



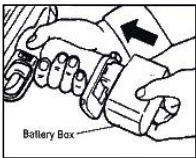
6) .The wire must pass through the wire guide C, in between the two feeding gears till it reaches the end gap.



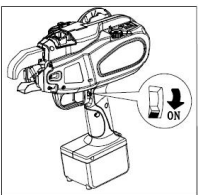
7) .Keep inserting the wire into the pipe until it reaches the arm A unit.



8) .Release the release stopper and confirm the release lever has returned to its original position. (Note:the wire coil must be clamp to the gap of the feeding gears)

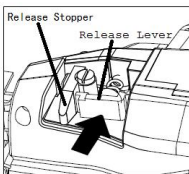


9) Install the battery into the machine, when you hear a sound “ ka ” ,the battery has been installed well. (Note:make sure the main switch is off,the trigger is locked before installing the battery.)

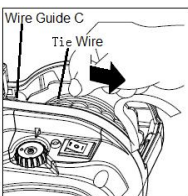


10) .Turn on the main switch,keep the trigger on the ON position,the machine can start work then.

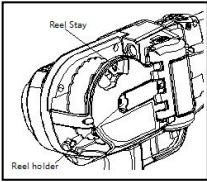
2. How to remove the wire coil



1) .Press the release lever and confirm the release lever is caught in the release stopper.

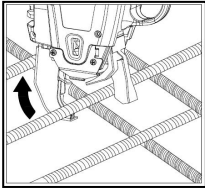


2) .Remove the wire coil.

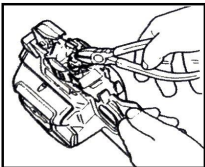


- 3) . Push the reel stopper to open the reel stay, take out the reel holder.

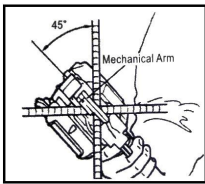
3. Tying procedure



- 1) . Unlock the trigger lock, keep the mechanical arm on the rebar with a 45 angle at a vertical position to the rebar. Press the trigger and tool will tie automatically.



- 2) . Remove the tool when the tying is complete.



- 3) . Do not press the trigger when the mechanical arm is not on the rebar surface. (Note: should this happen, close all the switches, position the trigger lock to OFF position and remove the trap wire with a plier inside the mechanical mouth.)

4. Adjusting the tie and tightness per wrap.

There are two tying option on the tool. 2 wraps and 3 wraps, there are 5 tightness level and can be adjusted by adjusting the ADJUSTING KNOB. Adjust the knob to the desire rap and tightness require.

7. Common faults and removal methods

WARNING! If any of the following conditions occur, be sure to set the main switch to OFF position, any restart it after the problem has been solved.

(This tool alerts you to the following conditions by means of a warning sound and warning lamp. If the problem is not solved, please contact our maintenance or your dealer for support.)

8. Replacement of gears

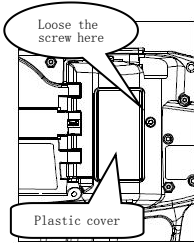


Fig. 1

1). Loose screws fastened in motor plastic cover by hex wrench and take them out, then open the plastic cover (Fig. 1)

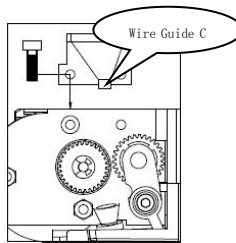


Fig. 2

2). Use hex wrench to take off wire guide C which is fixed on the plate (Fig. 2)

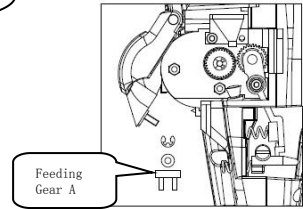


Fig. 3

3). Use plier to take down the E-ring and washer fixed on feeding gear A, then take it out (Fig. 3)

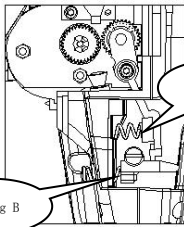


Fig. 4

4). Remove the spring A at the end of release lever by plier (Fig. 4)

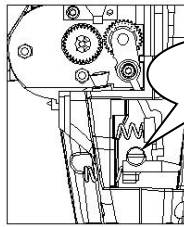


Fig. 5

5). Pay attention not to drop the smaller spring B at the other end of release lever when take spring A. (Fig. 5)

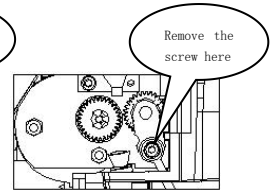


Fig. 6

6). Remove the hex screws of release lever from the plate by hex wrench. Then take out the release lever in the direction of arrow (Fig. 6)

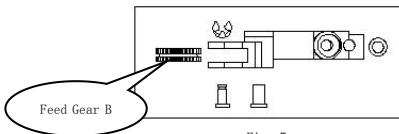


Fig. 7

7). After take out release lever, remove E-rings by plier and feeding gear B and then replace a new one. (Fig. 7)

Note: After finish the replacement of gear, all the spare parts must be reinstalled in order.

- 1) . First install release lever, after fix it, fill in spring A at the end of release lever.
- 2) Install feeding gears, washer and E-ring in sequence.

- 3) Fix wire guide C on the plate.
- 4) Then fix the screw in the plastic cover of motor

9. Care and maintenance

- 1) . The storeman must carry out a daily inspection before sending or getting back the machine; the user must carry out a daily inspection before using.
- 2) . Please maintain the electric tools carefully, check it there is wrong adjustment, locking to movable parts and damage to switch as well as other possible conditions, if so, stop using the machine for repair.
- 3) Please use the charger dedicated by the manufacturer, using other charger or battery may cause fire.
- 4) Improper using of battery can cause liquid flow(If happen to this situation, please send the battery to dedicated place for repair). Do not touch these liquid, once touch it, wash it by clean water. If come into your eyes, go to hospital for treatment immediately, additionally, the effusive liquid may stimulate your skin or cause burning.
- 5) Keep the tool carefully, wipe the plastic outer box in soft cloth with soapsuds after finishing your work. Petrol, alcohol, amyl acetate etc. Are forbidden to avoid any damage to the plastic items.
- 6) Keep the tool in its box in dry, clean and non-corrosive gas environment after finish.
- 7) In the event the tool malfunction or drop in performance, kindly send the tool to the authorized dealer for repair.