TOTAL

One-Stop Tools Station

BATTERY NAILER

TCBNLI2001

20V

Security instructions

Caution

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

Note: Save all warnings and instructions for future reference. Due to our ongoing I+D+I program, the specifications in this document are subject to change without notice.

1) **Work area safety**
    a. Keep the work area clean and well lit to prevent accidents.
    b. Do not use power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust that can cause fires.
    c. Keep children and other unauthorized persons away while using a power tool. Distractions can cause you to lose control of the tool.

2) **electrical safety**
    a. Power tool plugs must match the outlet. Never modify the plug in any way. Using a suitable plug reduces the risk of electric shock.
    b. Avoid bodily contact with grounded surfaces such as pipes, radiators, ranges, and refrigerators. There is an increased risk of electric shock if your body is grounded.
    c. Do not expose power tools to rain or wet conditions. Water entering a power tool will increase the risk of electrical shock.
    d. Never use the cord to carry, pull or unplug the power tool. Keep the cable away from heat or oil.
    e. When using a power tool outdoors, use an extension cord suitable for outdoor use.
    f. If using the tool in a damp location is unavoidable, use a Residual Current Device (RCD) protected supply to reduce the risk of electric shock.
    g. Make sure the mains voltage is the same as the voltage on the tool's nameplate. Remove plug from outlet before making any adjustments or servicing.

3) **Personal security**
    a. Always stay alert, watch what you are doing and use common sense when using the tool.
    b. Do not use a power tool if you are tired or under the influence of medication or other substances.
    c. Wear personal protective equipment. Always wear eye protection. Protective equipment such as a dust mask, non-slip safety shoes, hard hat, or hearing protection used in the proper conditions will reduce personal injury. Also don't wear loose clothing or jewelry.
    d. Prevent the tool from turning on unintentionally. Make sure the switch is in the off position before connecting to power source and moving.
    e. Remove any adjusting wrenches or wrenches before turning on the power tool. An adjustable wrench or wrench placed in a rotating part of the power tool can cause serious injury.

f. If devices are used for dust extraction and collection, make sure they are properly connected. Properly use these devices and you will reduce dust-related hazards.

4) Use and care of power tools

a. Do not force the tool. Use the correct power tool for each use.
b. Do not use the power tool if its power switch does not work. Any power tool that cannot be controlled with the switch is dangerous and must be repaired.
c. Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool to avoid accidental starting of the tool.
d. Use the power tool, accessories and bits etc. in accordance with these instructions, taking into account the working conditions and the work to be carried out. Using the power tool for operations other than those intended could result in a hazardous situation.
e. Store power tools out of the reach of children and do not allow people unfamiliar with the tool to use it.
f. Keep power tools in good condition. Check for misalignment or binding of moving parts, breakage of parts, and any other conditions that may affect the operation of power tools. If it is damaged, have the power tool repaired before using it. Many accidents are caused by poorly maintained power tools.
g. Keep cutting tools sharp and clean. Properly maintained cutting tools with sharp cutting edges are less likely to bind and are easier to control.

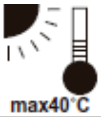
5) Battery use and care

a) Recharge the battery only with the charger specified by the manufacturer. An unsuitable charger can create a fire hazard.
b) Use specifically designated batteries. Use of other batteries may create a risk of injury or fire.
c) When the batteries are not in use, keep it away from other metal objects, such as 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 can cause burns or fire.
d) Abusive conditions can cause expulsion of liquid from the battery; avoid contact. If accidentally contacted, rinse immediately with water. If the liquid comes into contact with the eyes, also seek medical help. Liquid expelled from the battery can cause irritation or burns.
e) Do not use a battery or tool that is damaged or modified. They may exhibit unpredictable behavior resulting in fire, explosion, or risk of injury.
f) Do not expose a battery or tool to fire or excessive heat. Exposure to fire or temperature above 130°C may cause an explosion.
g) Follow all charging instructions. Do not charge the battery or tool outside the temperature range specified in the instructions. Improper charging or charging at temperatures outside the specified range may damage the battery or increase the risk of fire.

6) Service

a. Have your power tool serviced by a qualified person and use replacement parts recommended by the manufacturer. This will ensure that the safety of the power tool is maintained.

Safety rules for correct use

	Double insulation for additional protection
	Please read the instruction manual before use.
	CE conformity.
	Wear safety glasses, hearing protection and a dust mask.
	Waste electrical products must not be disposed of with household waste. Please recycle at the appropriate facilities. Check with your local authority or retailer for recycling advice.
	Security alert. Use only accessories supported by the manufacturer.
	Charge the battery only below 40ºc
	Always recycle batteries
	Do not expose the battery to fire or high temperatures
	Do not expose battery to water

Additional security warnings

- Always assume that the tool contains fasteners. Careless handling of the nailer can result in unexpected firing of fasteners and personal injury.
- Do not point the tool at yourself or someone nearby. An unexpected shot will discharge the fasteners causing injury.
- Do not operate the tool unless it is firmly against the work piece. If the tool is not in contact with the workpiece, the fixture can drift off target.
- Disconnect the tool from the power source when the fastener gets stuck in the tool. While removing a stuck fastener, the nailer can be accidentally activated if it is plugged in.

- Be careful when removing a stuck zipper. The mechanism may be under compression and the fastener may be forcefully unloaded when attempting to release a jammed condition.
  **Note: This warning can be ignored for nailers that do not use stored potential energy to drive fasteners.*

- When fixing the electrical cables, make sure that the cables are not energized. Hold nailer by insulated gripping surfaces only. Use only fasteners designed for the installation of electrical cables.
- Do not use this nailer to fasten electrical cables. It is not designed for the installation of electrical cables and may damage the insulation of electrical cables, thus causing electric shock or fire hazards.
- Check that the nail has not damaged the insulation of the electrical cables. A fastener that damages the insulation of electric wires can cause electric shock and fire.
  **Note: This warning applies to nailers suitable for fastening electrical cables.*

- Do not use this nailer for fastening electrical cables. It is not designed for the installation of electrical cables and may damage the insulation of electrical cables, thus causing electric shock or fire hazards.
  **Note: This warning applies to nailers not suitable for fastening electrical cables.*

- Hold power tool by insulated gripping surfaces when performing an operation where the nail may contact hidden wiring. Nails coming in contact with a "live" wire can make exposed metal parts of the power tool "live" and could cause an electric shock to the operator.
- Please read the manual carefully and be aware of its applications and limitations, as well as the specific potential hazards associated with this power tool. Compliance with this rule will reduce the risk of electric shock or serious injury.
- Always wear suitable eye protection. Everyday glasses only have impact resistant lenses. They are not safety glasses. Compliance with this rule will reduce the risk of serious personal injury.
- The operator and others in the work area should wear proper eye protection that protects them from frontal and side rays when loading, using, or maintaining this tool.
  Eye protection is necessary to prevent fasteners and debris from becoming dislodged, which could cause serious eye injury.
- The wide vision safety facepiece is recommended to be worn over standard safety glasses or goggles which provide protection against flying particles from both the front and the side. Always wear proper eye protection.
- In some environments additional security protection will be required. For example, the work area may include exposure to a noise level that can cause hearing damage.
- Use safety equipment. Always wear eye protection. Dust mask, non-slip safety shoes, hard hat, or hearing protection should be worn under appropriate conditions.
  The user must ensure that the operator and other people present in the work area have and use the necessary protection for correct use.
- Keep fingers away from trigger when not driving fasteners to prevent accidental firing.
- Battery tools do not have to be plugged into an outlet, so they are always in working condition. Be aware of possible hazards when not using your battery tool

or when changing accessories. Compliance with this standard will reduce the risk of electric shock, fire, or serious personal injury.

- Do not place battery tools or their batteries near fire or heat. This will reduce the risk of explosion and possible injury.
- Use the tool only for its intended use. Do not unload fasteners outdoors.
- Use the tool only for its intended use.
- Use only the recommended nails for this tool. Using the wrong nails can result in poor nail feeding, nail binding, and nails coming out of the tool at erratic angles.
- Never use this tool in a way that could drive a nail into anything other than the workpiece.
- Do not use the tool as a hammer and always carry the tool by the handle.
- Do not alter or modify this tool from its original design or function.
- Always keep in mind that misuse and improper handling of this tool can cause injury to yourself and others.
- Never clamp or tape the trigger or workpiece contact in an actuated position.
- Never leave the tool unattended if the battery is installed.
- Keep the tool and its handle dry, clean and free of oil and grease. Always use a clean cloth for cleaning. Never use brake fluid, gasoline, petroleum products, or any other strong solvents to clean the tool. Compliance with this standard will reduce the risk of loss of control and deterioration of the plastic of the housing.

Start up

- Do not use tool if trigger does not actuate properly. Any tool that cannot be controlled with the trigger is dangerous and must be repaired.
- Frequently check the operation of the workpiece contact mechanism. Do not use the tool if the workpiece contact mechanism is not working properly, as accidental nailing may occur. Do not interfere with the proper functioning of the workpiece contact mechanism.
- Do not use a tool that is not working properly.
- Always assume that the tool contains nails.
- Do not carry the tool from one place to another holding the trigger. An accidental discharge could occur.
- Always handle the tool with care:
    - Respect the tool as a work instrument.
    - Never pull the trigger unless attention is directed to the work.
    - Keep others at a safe distance from the tool while it is in operation, as accidental operation could result and could cause injury.
- The choice of drive method is important. See the manual for shooting options.
- Do not hold the tool by the front of the charger. Do not place hands, head, or other body parts near the bottom of the magazine where the nail exits the tool, as serious personal injury could result.
- Do not point the tool at yourself or anyone, whether it contains nails or not.
- Do not activate the tool if you do not intend to drive a nail into the piece.
- Always make sure the workpiece contact is fully positioned above the workpiece. If you position the workpiece, contact only partially above the workpiece, the nail may miss the workpiece completely and cause serious personal injury.
- Do not drive nails close to the edge of the material. The workpiece can split and cause the nail to ricochet, injuring you or a co-worker.
- Be aware that the nail may follow the grain of the wood, causing it to protrude unexpectedly from the side of the work material or defect, potentially causing injury.
- Keep hands and body parts away from immediate work area.

- Support the workpiece with clamps when necessary to keep hands and body away from possible injury. Make sure the work piece is securely clamped before pressing the fastener into the material. Contact with the work piece can cause the work material to move unexpectedly.
- Keep face and body parts away from back of tool cap when working in restricted areas. Sudden kickback can cause body impact, especially when driving into hard or dense material.
- During normal use, the tool will recoil immediately after driving a fastener. This is a normal function of the tool. Do not try to prevent kickback by holding the nailer against the work. Recoil restriction may cause the nailer to drive in a second fastener.
- Keep a firm grip on the handle, let the tool do the work, and do not place your second hand on top of the tool or near the exhaust at any time. Failure to heed this warning can result in serious personal injury.
- Do not drive fasteners over other fasteners or with the tool at too sharp an angle as this may cause the fasteners to deflect which could cause injury.

Tool load

- Do not load the tool with fasteners when any of the operating controls are activated.
- When you load the tool:
    - Never place a hand or any part of the body in the discharge area of the tool's fasteners.
    - Never point the tool at anyone.
    - Do not pull the trigger or apply pressure to the workpiece contact, as accidental actuation may occur and could cause injury.

Save these instructions

- Please refer to them frequently and use them to educate others who may use this tool. If you lend someone this tool, lend them these instructions as well.

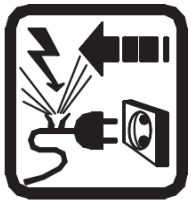
Other risks

Even when the power tool is used as prescribed, it is not possible to eliminate all residual risk factors:

a. Health defects resulting from vibration emission if the power tool is used for a longer period of time or if it is not managed and maintained properly.
b. Injuries and property damage due to broken fixtures breaking suddenly.

Caution

This power tool produces an electromagnetic field during operation. This field can, in some circumstances, interfere with active or passive medical implants.



To reduce the risk of serious injury, we recommend that persons with medical implants consult their physician before using this power tool.

If the cable is damaged or cut during work, do not touch the cable, immediately unplug the tool. Never use the machine with a damaged cable.

The machine must not be damp and must not be used in a humid environment.

Attention

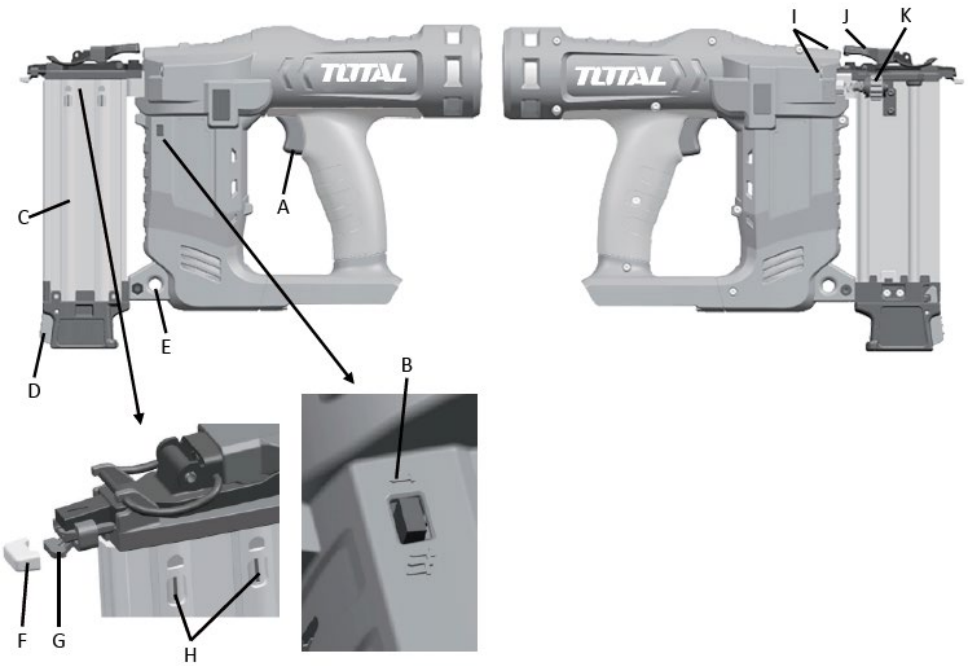
Safe operation of this machine is only possible when the operating or safety information is fully read and the instructions contained therein are strictly followed.

Technical data

Data sheet		
Applicable nails		18Ga
Nail length		15mm-50mm (5/8”-2”)
Nail load capacity (nails)		100 (1 strip)
Shooting mode		simple sequence contact actuation
Cycle speed (nails/second)		2.5
Battery	Guy	Lithium-ion technology
	Voltage	20V
Weight (without battery)		2.3kg
Dimension (length x height x width)		13-3/8” x 9-3/8” x 4-1/4” (339mm x 238mm x109mm)

Product description

A. trigger switch
B. mode selector
C. side loader
D. Magazine release button
E. belt hole
F. Non-marking pad
G. Contact with the part
H. Low Nail Indicators
I. LED work lights
J. clearing jams
K. Depth adjustment wheel



Note: Not all accessories illustrated or described may not be included in the standard delivery.

Note 2: Double insulation: The tool is double insulated. This means that all external metal parts are electrically isolated from the mains. This is done by placing isolation barriers between electrical and mechanical components, making it unnecessary to ground the tool.

Set up

Mounting

Warning

Do not use this product if it is not fully assembled or if any parts appear to be missing or damaged. Using a product that is not properly and completely assembled, or with damaged or missing parts, could result in serious personal injury.

Do not attempt to modify this product or create accessories or add-ons not recommended for use. Any such alteration or modification constitutes misuse and could result in a hazardous situation that could result in serious personal injury.

Start up

Warning

Don't let familiarity with the products cause you to be careless. Remember that a careless fraction of a second is enough to inflict serious injury.

Always remove the battery pack from the tool when assembling parts, making adjustments, cleaning, or when not in use. Removing the battery pack will prevent accidental starting, which could cause serious personal injury.

Always wear proper eye protection. Failure to do so may result in serious injury.

Applications

You can use this tool for the following purposes:

- Finishes and moldings (interior and exterior)
- Door and window cladding
- door jambs
- Plinth
- crown molding
- cabinets
- cap and shoe molding
- Molding
- Ladders
- Door and window moldings
- chair rails
- brick molding
- hardwood floors
- panels
- Furniture

To install/remove the battery pack

To install the battery pack:

- Put the battery pack in the tool.
- Align the raised rib inside the tool with the groove on the battery pack.
- Make sure the latches on the back of the battery pack snap into place and the battery pack is secure in the tool before you start to use it.

To remove the battery pack:

- Locate the battery pack latches and press to release the battery pack from the tool.
- For complete charging instructions, refer to your battery pack and charger operator's manuals.

Non-marking pad

The anti-marking pad attached to the tip of the tool helps prevent marking and gouging when working with softer woods.

- Remove the battery.
- Remove the pad by pulling it down and away from the tip.
- To reattach the pad, snap it into place over the tip and push up to reattach.

The pad stores in the tool magazine. An extra pad is provided in the onboard storage area.

Load nails into the tool

Warning

Keep the tool away from yourself and other people when loading nails. Failure to do so may result in possible serious personal injury.

- Remove the battery pack from the tool, if installed.
- With the tip of the tool pointing away from you, squeeze the magazine release button on the rear of the magazine and slide the magazine cover open.
- Place the nails in the channel with the nail pointing down and resting on the bottom of the channel.
- Push the charger cover closed until it clicks into place.
- Make sure the charger is securely locked in place.
- Reinstall the battery and reactivate the nailer by pressing the grip switch on the work light.

Nailing depth adjustment

Nailing depth can be adjusted beyond air pressure. It is advisable to test the depth on a piece of scrap to determine the depth needed for the application. To determine the nailing depth, first adjust the air pressure and drive a test nail.

To achieve the desired depth, use the drive depth setting on the tool. Harder materials and longer nails will require more force to drive.

- Remove the battery from the tool, if installed.
- Turn the nailing depth adjustment left or right to change the nailing depth.
- Reinstall the battery and reactivate the tool by pressing the work light grip switch.
- After each adjustment, test drive until the desired depth is achieved.

Note: Set the nailing depth to the lowest depth that meets your needs.

Warning

Never chock or hold the workpiece contact mechanism during tool operation. Doing so could result in possible serious injury.

Simple jog mode

Unique sequential drive provides the most precise nail placement.

- Slide the selector to position (T)

Note: The nailer will not function properly if the selector is not properly set to the (T) or (TTT) position. Always make sure the selector is seated properly to avoid unexpected discharge of nails and possible serious personal injury.

- Activate the tool in the following two ways. The tool is activated when the LED work light is on.
    1. Pull the trigger, and then remove your finger from it.
    2. Reinstall the battery.
- Keep a firm grip on the tool to maintain control. Place the tip of the tool on the work surface.
- Push the tool against the work surface to press the workpiece contact.
- Pull the trigger to drive a nail.
- Push the tool against the work surface to press the workpiece contact and drive a nail.
- Always remove the pliers from the trigger when you have driven the desired number of nails.

Contact actuation mode

Contact actuation allows very fast and repetitive nailing.

- Slide the selector to the (TTT) position.
- Activate the tool in the following two ways. The tool is activated when the LED work light is on.
    1. Squeeze the trigger, and then remove your finger from the trigger.
    2. Reinstall the battery.
- Keep a firm grip on the tool to maintain control.
- Pull and hold the trigger.
- Push the tool against the work surface to press the workpiece contact and drive a nail.
- Always remove your finger from the trigger when the desired number of nails have been driven.

Note: In contact actuation mode, the tool can also be operated by pressing the workpiece contact against the surface and pulling the trigger.

LED work lights

There is an LED work light located on each side of the nailer. LED work light turns on when trigger is pulled or battery is installed.

It is at full intensity in the first minute, then it goes dark and stays for 10 minutes until it turns off.

Note: The tool is activated when the LED work light is on.

Low battery indicator

The headlights will flash four consecutive times and then turn off to indicate that the battery is low.

Diagnostic information

LED work lights provide feedback to indicate if the battery pack is sufficiently charged and/or if the tool is operating properly.

- If the work lights are flashing, install a fully charged battery.
- If the light continues to blink, see the troubleshooting section for more information.

How to remove the nails from the tool

Warning

Remove the battery pack before removing nails or clearing a jammed nail. Failure to do so could result in serious personal injury.

- Remove the battery pack from the tool.
- To remove a strip of nails from the tool, press the magazine release button on the back of the magazine and slide the magazine open.
- Remove the nails.
- Close the charger.

How to remove a stuck nail

- Remove the battery from the tool.
- Open the magazine and remove the nails from the tool.
- Pull up on the latch and open the jammed nail release.
- Insert a flat blade screwdriver into the drive and push the drive back, releasing the stuck nail.
- Remove the bent/jammed nail.
- Close the release and the latch.
- Reinstall the nails and close the magazine.
- Reinstall the battery and reactivate the tool.

Note: If you dig too far into the material, excess debris or jammed nails can cause the screwdriver blade to bind in its lower position.

The conductive blade can usually be returned to its operating position by pressing the work contact element against a piece of wood and pulling the trigger.

If the tool works without driving a nail, the nail channel may be dirty. See the maintenance section of this manual for how to clean the nail channel.

Maintenance

Warning

When performing maintenance, use only identical replacement parts. The use of any other part could create a hazard or cause damage to the product.

General maintenance

Avoid the use of solvents when cleaning plastic parts. Most plastics are susceptible to damage by various types of commercial solvents and can be damaged by their use. Use clean clothes to remove dirt, dust, oil, grease, etc.

- Always store your tool in a dry place.
- Never use water or chemicals to clean your tool, after each use clean it with a dry cloth or pressurized air.
- Keep the ventilation slots clear and clean.

Nail channel cleaning

If the tool fails to drive a nail, or cycles without driving a nail, glue residue from the nail strip may need to be cleaned from the area around the nailing mechanism.

- Remove the battery pack.

- Remove the nails from the tool.
- Open the unlocking latch and the magazine.
- Use a small amount of air tool oil on a clean cloth or cotton swab to clean the nail channel, removing all traces of glue.
- Put the nails back into the tool and close the magazine.

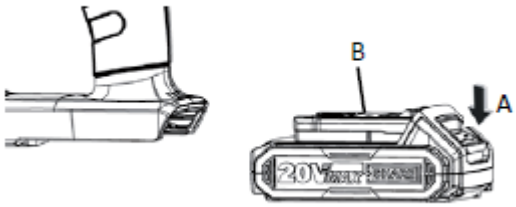
Problem solving

SYMPTOM	POSSIBLE CAUSE	SOLUTION
The tool works correctly, but the fasteners do not go in completely	Air pressure is too low Drive depth is not sufficient The nail is too long for the hardness of the wood	Increase air pressure Set drive depth Use a nail length suitable for the wood
Tool works fine, but fasteners drive too deep	Air pressure is too high Drive depth is too deep	Decrease air pressure Set drive depth
Tool jams frequently	wrong nails damaged nails loose charger dirty charger	Verify nails are the correct size Replace nails Tighten the screws clean charger

Note: If after checking these recommendations it does not work, take it to the Total authorized service center.

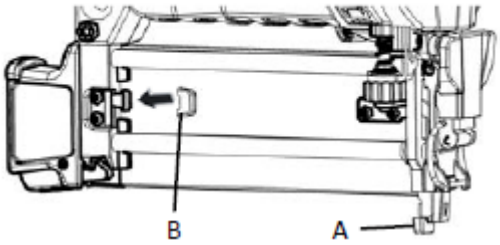
Annexed

Fig. 1



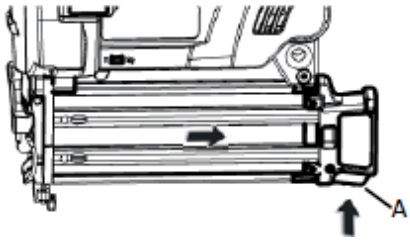
A - Press the latches
B-Battery

Fig. 2



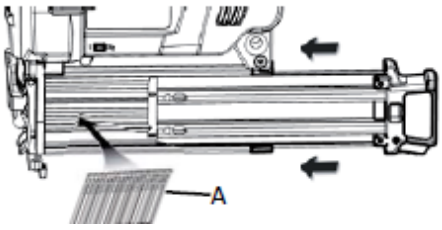
A. Non-marking pad
B. Non-marking pad storage

Fig. 3



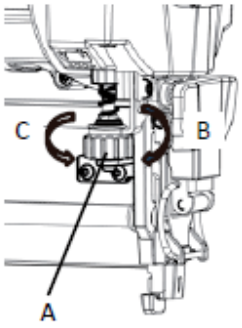
A. Magazine Release Button

Fig. 4



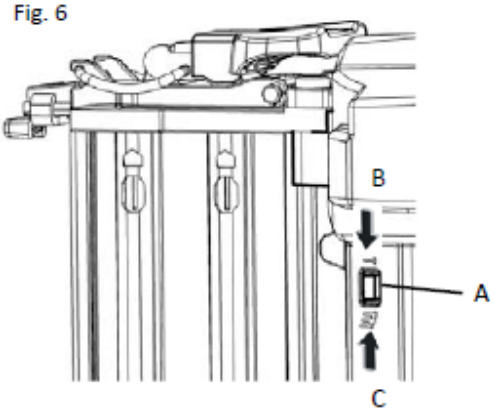
A. Nails

Fig. 5



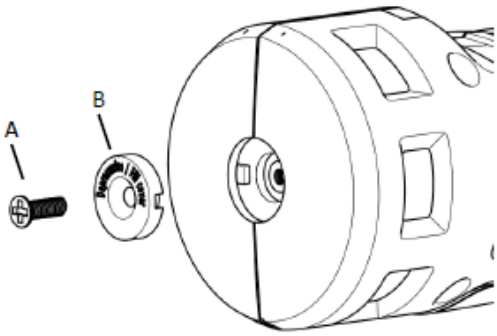
A. Drive Depth Adjustment
B. To increase the depth
C. To decrease the depth

Fig. 6



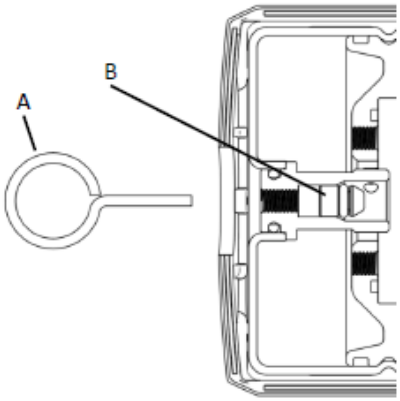
A. Mode switch
B. Simple sequential mode
C. Contact actuation mode

Fig. 7



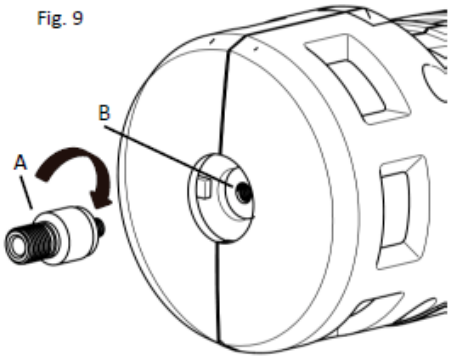
A. Screw
B. End Cap

Fig. 8



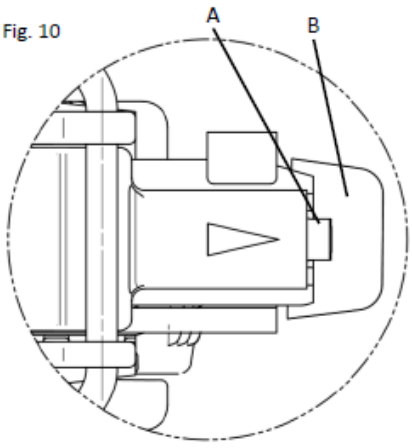
A. Depressurize the plug
B. Core

Fig. 9



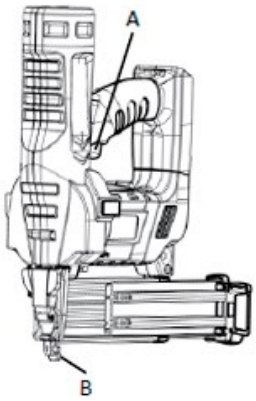
A. Mouthpiece
B. Casing

Fig. 10



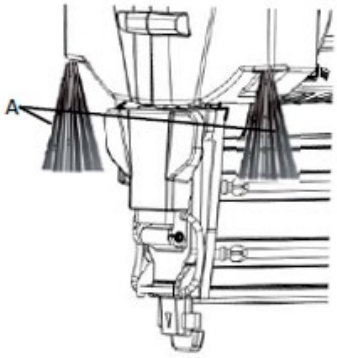
A. Blade
B. Non-marking pad

Fig. 11



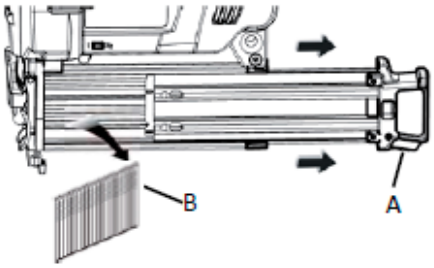
A. Trigger
B. Contact with the part

Fig. 12



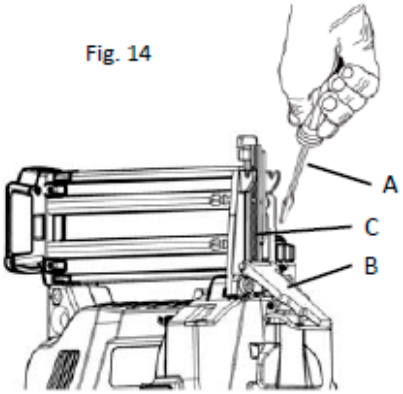
A. LED work lights

Fig. 13



A. Magazine Release Button
B. Nails

Fig. 14



A. Screwdriver
b. Latch
C. Unlock

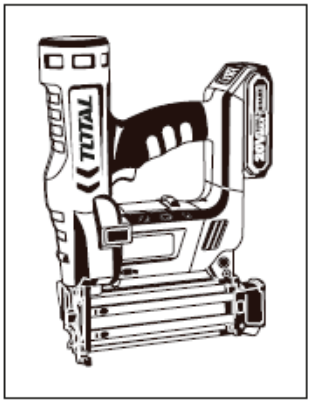
Fig. 15

A. Latch
B. Nail Channel

Environment

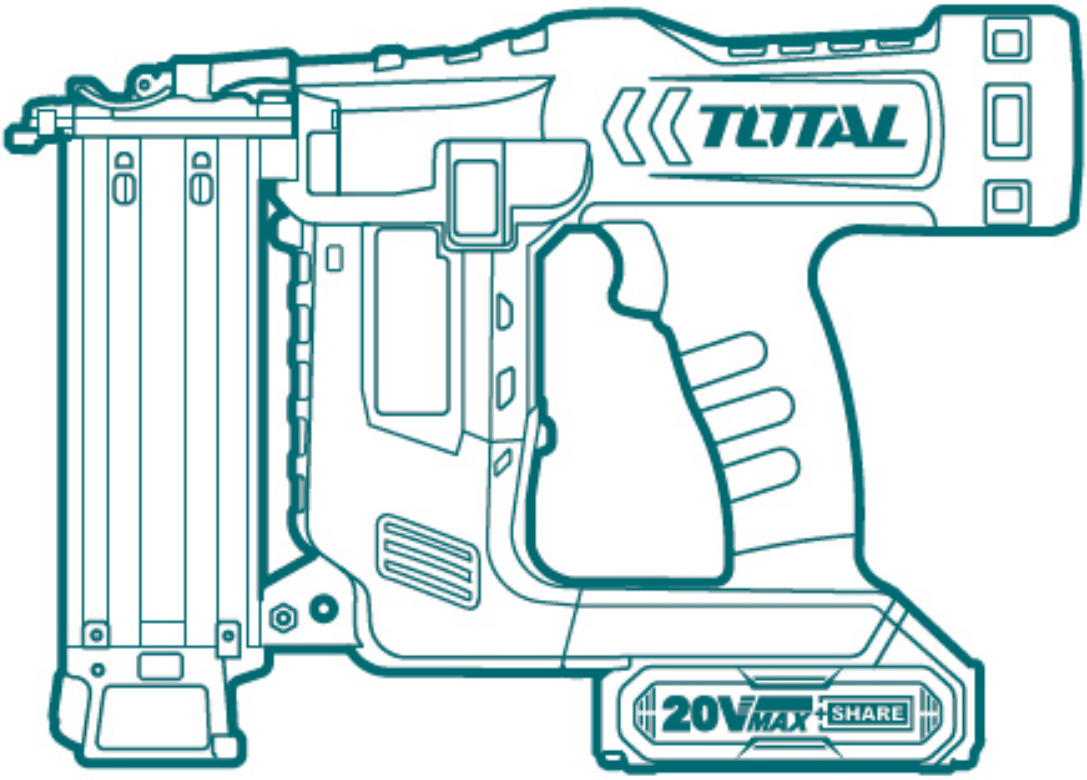
- Do not dispose of electrical appliances as unsorted municipal waste, use separate collection facilities.
- Contact your local authority for information on available collection systems.
- If electrical appliances are disposed of in landfills, hazardous substances can seep into the groundwater and enter the food chain, harming your health and well-being.
- Recycle raw materials instead of disposing of them as waste.
- The machine, accessories and packaging must be sorted for environmentally friendly recycling.
- Plastic components are labeled for categorized recycling.

Exploded view



TOTAL

One-Stop Tools Station



BATTERY NAILER

20V