Cordless Framing Gas Nailer

User Manual

[Revision 2.0 April 2017]

READ THIS MANUAL CAREFULLY BEFORE USE AND KEEP FOR FUTURE REFERENCE – FAILURE TO DO SO MAY RESULT IN INJURY, PROPERTY DAMAGE AND MAY VOID WARRANTY. • Products covered by this manual may vary in appearance, assembly, inclusions, specifications, description and packaging.

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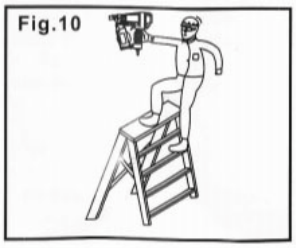
SAFETY

WARNING! ENSURE THAT NO PART OF ANY HUMAN, ANIMAL OR CLOTHING IS PLACED IN/NEAR THE AREA WHERE NAILS ARE FIRED OUT OF THE GUN, REGARDLESS OF WHETHER YOU THINK THE GUN IS EMPTY OR LOADED WITH NAILS.

To get the most out of your purchase, please read the manual before using this product.

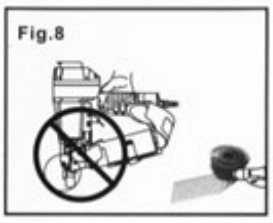
We ask you to please read this manual carefully beforehand in order to familiarise yourself with this product and after reading, please store this instructional manual for future reference. Failure to follow the proper protocols listed in the manual may result in personal injury to the operator or damage to equipment.

1. Keep your working area clean.
2. Do not allow children to enter areas where the nailer is stored or in use, or handle the nailer, even if the nailer is unpowered.
3. Do not operate the nailer under the influence of alcohol or drugs.
4. Use safety glasses. Safety glasses should conform to ANSI Z87.1 specifications. Safety glasses should be worn when loading, operating, unloading or servicing this tool.
5. Use ear protection. Exposure to high noise levels can lead to hearing damage.
6. Never use oxygen combustible gases, bottled gases or high pressure compressed gas as a power source for this tool. It may explode and cause serious injury.
7. Dress safely. Protective gloves and nonskid footwear or safety shoes are recommended when working with and operating the nailer. Do not wear loose clothing or jewelry as they can get caught in moving parts. Also, wear a protective hair covering to prevent your hair from getting caught in the stapler.
8. When operating the tool, keep proper footing and balance to avoid damage resulting from losing balance. (Fig. 10)



9. Check damaged parts. Before using the tool, carefully check if there are damaged parts.
10. Replace parts and accessories. Only allow the use of the same replacement parts while servicing. Approved accessories and replacement parts are available.
11. Keep alert. Watch what you are doing. Use common sense. Do not operate any tools while you are tired.
12. Store the nailer when not in use. The nailer should be cleaned, fully assembled and then, stored in a dry location to reduce rust.
13. Pay attention to the air hose and their connections. Don't trip over hoses. Make sure all connections are tight.

14. After loading the fasteners, never point the nailer at yourself or others.
15. Use the correct air connector. The connector on the nailer must not hold pressure when the air supply is disconnected. If the wrong fitting is used, the nailer can be charged with air after being disconnected and still be able to drive a fastener. (Fig. 7)
16. When connecting the air supply, the nailer may possibly fire the fasteners as soon as you plug it into the air hose. Therefore, remove all the fasteners before connection. (Fig. 8)



17. Do not depress the safety bracket and the trigger when loading.
18. If the fasteners are jammed, disconnect the nailer and remove the jammed fasteners.
19. Disconnect the nailer from the air supply hose before doing maintenance, clearing a jammed fastener, leaving the work area, moving the nailer to another location, or handing it to another person.

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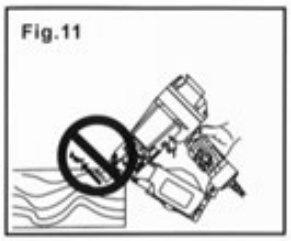
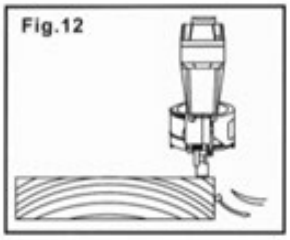
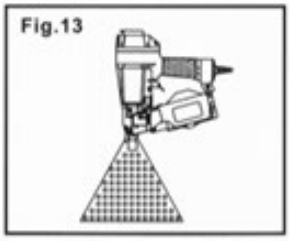
20. Always assume the tool contains fasteners.
21. Do not load fasteners with the trigger or safety depressed, to prevent unintentional firing of a fastener.
22. Remove your finger from the trigger when not driving fasteners. Never carry the nailer with your finger on the trigger; the gun will fire a fastener if the safety is bumped while trigger is depressed.
23. Grip the nailer firmly to maintain control, while allowing it to recoil away from the work surface as the fastener is driven. If the safety bracket is allowed to connect with the work surface again before the trigger is released, an unwanted fastener may be fired.
24. Do not drive fasteners on top of other fasteners, or with the tool at a steep angle; the fastener can ricochet hurting you or passing bystanders. (Fig. 11)
25. Do not drive fasteners close to the edge of the work piece. The work piece is likely to split allowing the fastener to fly free or ricochet causing personal injury. (Fig. 12)







Included Items

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SET-UP

REMOVAL AND INSTALLATION OF BATTERY

HOW TO INSTALL THE BATTERY

Align the battery with the groove in tool handle and slip it into place.

Always insert it all the way until it locks in place with a little click. If not, it may accidentally fall out of the tool, causing injury to you or someone around you.

HOW TO REMOVE THE BATTERY

Withdraw the battery from the tool handle while pressing the latch on the side of the battery.

PREPARING THE FUEL CELL

1. Separate the metering valve and the cap from the gas cartridge.
2. Press forward (stem guide) and downward on the front side of the metering valve.
3. Press downward on the rear of the metering valve until it seals.

CHECK THE METERING VALVE

Press the metering valve stem two or three times against a stationary object and release. If the gas is not dispersed, then the fuel cell is empty and you should replace it.

CAUTION

If the gas leaks from the metering valve or the gas cartridge after attaching the metering valve.

Do not attempt to reuse the metering valve. Replace with the new metering valve.

TESTING THE NAILER

1. Remove all nails, fuel cell and battery from nailer.
   a. All screws must be tightened.
   b. The push lever and trigger must move smoothly when you pull back the feeder knob.
2. Installing the battery.

Do not operate the push lever or trigger while installing the battery.

Make sure the battery indicator light is flashing green. If the battery indicator light is flashing red, the battery doesn't have enough power and needs to be charged.

BATTERY INDICATOR LIGHT

Flashing Green: Enough power remaining (The light turns steady during operation). Flashing Red: Insufficient power remaining.

3. Insert the fuel cell into the nailer
   a. Pull the latch and open the cell cover
   b. Insert the fuel cell into the nailer.
   c. Insert the stem of the fuel cell into the hole of adaptor. d. Close the cell cover.
4. Remove your finger from the trigger and press the push lever against the work piece while pulling back the feeder knob.

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5. Separate the push lever from the work piece. Next, point the nailer downward, pull the trigger and then wait in that position for 5 seconds or longer.
6. Without touching the trigger, depress the push lever against the work piece. Pull the trigger.
7. If everything works properly, you can then load nails into the nailer.

LOADING NAILS

When loading nails into the nailer:

1. Do not depress trigger
2. Do not depress push lever
3. Keep nailer pointed downward

ACTION NAIL FEEDING

1. Insert nail strip into the back of the magazine
2. Slide the nail strip forward

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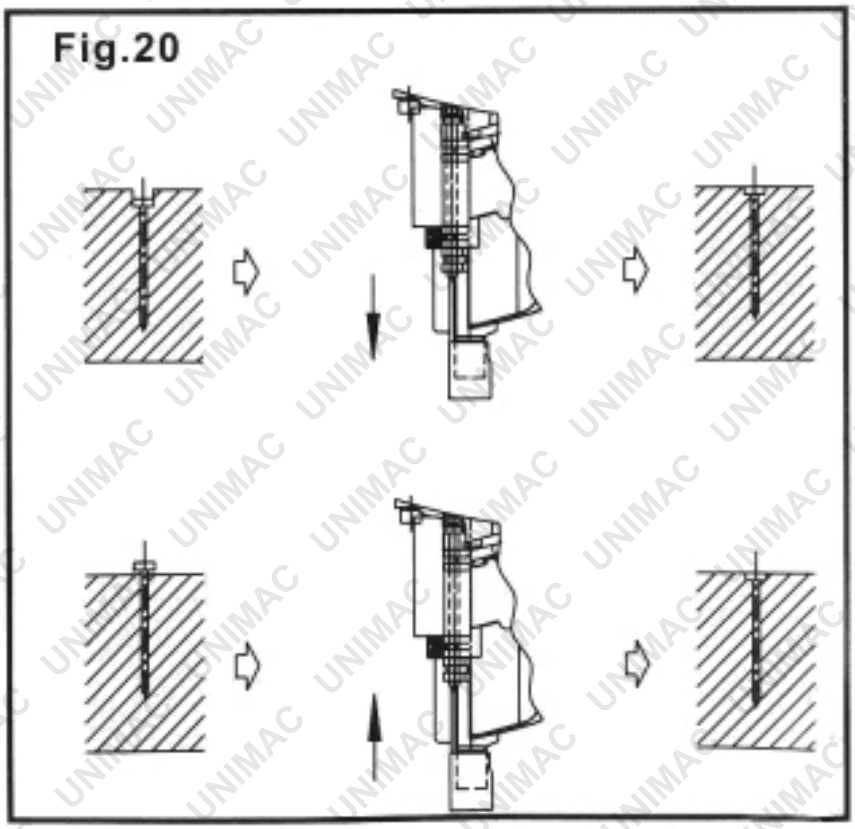
OPERATION

Complete all the above set-up instructions before using the tool.

- Press the safety bracket against the intended project.
- Hold your intended project down but make sure the nailer is still far away from your holding hand.
- Squeeze the trigger.
- For continuous nailing, squeeze the trigger repeatedly.

The adjuster (A) Fig. 19. will help to determine the driving depth of your nail. Test fire a fastener to check depth. If the nail is driven too deep, rotate the adjuster so that the safe bracket faces downward. And if the nail is not deep enough, rotate the adjuster counter clockwise to make the safe bracket face upwards. Adjust it until you have your desired results (See Fig. 20).



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Maintenance

1. Frequent but not excessive lubrication is required for best performance. An automatic airline oiler is recommended but oil may be added manually before every operation or after about 1 hour of continuous use.
2. One use pneumatic tool oil. Do not use detergent oil or additives as these lubricants will cause accelerated wear out of the seal.
3. Use a small amount of oil on all moving surface and pivots. Only a few drops of oil at a time is necessary. Too much oil will lead to a build up inside the tool which emits excess oil whilst nailing.
4. Dirt and water in the air supply greatly affect the longevity of pneumatic tools. Use a filter/oiler for better performance and longer life. The filter must have enough flow capacity for the specific application. Consult the manufacturer's instructions for proper maintenance of your filter.
5. Keep tools clean for better and safer performance. Use non-flammable cleaning solutions (Caution: Some solutions may damage the O-ring and other tool parts), do not soak unless necessary.

Cleaning a Jammed Fastener

1. Disconnect tool from the air supply.
2. Open the latch, check for bent or misfired nails and remove those nails from lower housing.
3. Use a slender, soft steel rod to push the drive blade to the uppermost position
4. Use needle nose pliers to remove the jammed fastener (see Fig. 21).
5. Follow instructions in preparing the nailer before use to reload fasteners.

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TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Air leaking at trigger area	O-ring in trigger valve stem is worn out and damaged	Check/replace O-ring/lubricate
Air leaking at the lower portion of the body and nose	Screw is loose at connecting portion of the nose and body	Tighten screws
	O-ring is damaged between the body and nose	Check/replace O-ring/lubricate
	Bumper is damaged	Replace the bumper
Air leaking at the upper portion of the body and the cylinder cap	Screw is loose at the connecting portion of the cylinder body	Tighten the screw
	Gasket is damaged	Replace the gasket
Failure to start the tool	Tool dry, lack of lubrication	Use pneumatic tool oil
	The spring in the cylinder cap is damaged	Replace the spring in the cylinder cap
Blade driving fasteners too deeply	Safe bracket positioned incorrectly	Rotate knob of the adjuster to move safe bracket down
	Air pressure is too high	Decrease the air pressure
Skipping fasteners/feeding intermittently	Something stuck between the small piston and small cylinder	Disassemble/clean/lubricate
	O-ring on the small piston is worn out and damaged	Check/replace O-ring
	Tool dry and lack of lubrication	Use pneumatic tool oil
	The spring on the small piston is damaged	Replace small piston
	Air pressure is low	Increase air pressure, but don't exceed 120 PSI (8.3 bar)
	Connecting the screw of nose and body is loose	Tighten all screws
	Bent fasteners	Use recommended fasteners
	Wrong size fasteners	Use recommended fasteners
	Small piston bumper is worn out and damaged	Replace the bumper and lubricate small piston
	Feed hook is bounded	Clean feed hook and torsion spring
	Nail length is not correct with loading space of nail housing	Adjust adjuster plate at the nail housing tail portion according to the recommended nail length to make arrow on the nail housing tail point to the correct position

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TROUBLESHOOTING

PROBLEM	CAUSE	SOLUTION
Runs slowly or has power loss	Tool dry, lack of lubrication	Use pneumatic tool oil
	The spring in the cylinder cap is damaged.	Replace the spring in the cylinder cap
	O-ring on the valve is dry after disassembly	Lubricate the O-ring
	Air pressure too low	Increase the air pressure, but don't exceed over 120 PSI (8.3 bar)
	Driver is worn out	Replace piston assembly
	Inner diameter of used hose is small	Use bigger inner diameter of the hose
Fasteners are jammed	Wrong size fasteners	Use recommended fasteners

SPECIFICATIONS

CHARACTERISTICS	VALUE
Nail Capacity	50 nails (1 strip)
Nail Type	34 deg clipped-head, paper collated
Nail Length Range	50 to 90mm
Joules	80-90
Battery Type	Ni-MH Battery 6.0V 1.8AH
Battery Power	240V 50Hz
Battery Capacity	200/per charge
Charging Time	Approx. 70 min
Cycle Rate	1,000 nails per hour (continuously)
Product Weight	3.7kg (including battery and when fitted with a fuel cell)

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Some experts believe that the incorrect or prolonged use of almost any product may cause serious injury or death. To help reduce your risk of serious injury or death, refer to the information below. For more information, see www.datastreamserver.com/safety

- Consult all documentation, packaging and product labelling before use. Note that some products feature documentation available online. It is recommended to print and retain the documentation.
- Before each use, check the product for loose/broken/damaged/missing parts, wear or leaks (if applicable). Never use a product with loose/broken/damaged/missing parts, wear or leaks.
- Products must be inspected and serviced (if applicable) by a qualified technician every 6 months. This is based on average residential use by persons of average size and strength, and on a property of average metropolitan size. Use beyond these recommendations may require more frequent inspections/servicing.
- Ensure that all users of the product have completed a suitable industry recognised training course before being allowed access to the product.
- The product has been supplied by a general merchandise retailer that may not be familiar with your specific application or description of application. Be sure to attain third-party approval from a qualified specialist for your application before use, regardless of any assurances from the retailer or its representatives.
- This product is not intended for use where fail-safe operation is required. As with any product (for example, automobile, computer, toaster), there is the possibility of technical issues that may require the repair or replacement of parts, or the product itself. If the possibility of such failure and the associated time it may take to rectify could in any way inconvenience the user, business or employee, or financially affect the user, business or employee, then the product is not suitable for your requirements. This product is not intended for use where incorrect operation or a failure of any kind, including but not limited to, a condition requiring product return, replacement, parts replacement or service by a technician may cause financial loss, loss of employee time or an inconvenience requiring compensation.
- If this product has been purchased in error when considering the information presented here, contact the retailer directly for details of their returns policy, if required.

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