



KING KING CANADA

28° & 34° CLIPPED HEAD FRAMING NAILERS



MODELS: 8228N (28°) & 8234N (34°)

INSTRUCTION MANUAL

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WARRANTY INFORMATION



**2-YEAR
LIMITED WARRANTY
FOR THIS FRAMING NAILER**

**KING CANADA TOOLS
OFFERS A 2-YEAR LIMITED WARRANTY
FOR NON-COMMERCIAL USE.**

PROOF OF PURCHASE

Please keep your dated proof of purchase for warranty and servicing purposes.

REPLACEMENT PARTS

Replacement parts for this product are available at our authorized King Canada service centers across Canada.

LIMITED TOOL WARRANTY

King Canada makes every effort to ensure that this product meets high quality and durability standards. King Canada warrants to the original retail consumer a 2-year limited warranty as of the date the product was purchased at retail and that each product is free from defects in materials. Warranty does not apply to defects due directly or indirectly to misuse, abuse, normal wear and tear, negligence or accidents, repairs done by an unauthorized service center, alterations and lack of maintenance. King Canada shall in no event be liable for death, injuries to persons or property or for incidental, special or consequential damages arising from the use of our products.

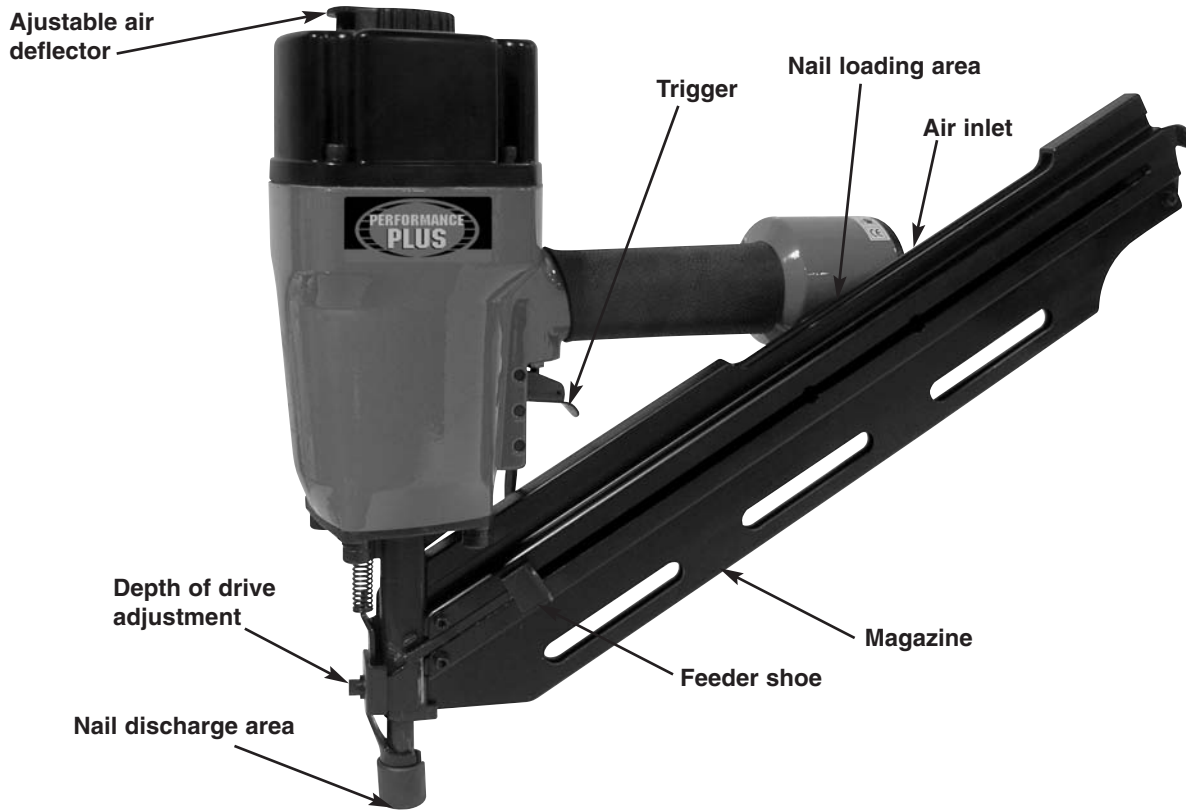
To take advantage of this limited warranty, return the product at your expense together with your dated proof of purchase to an authorized King Canada service center. Contact your retailer or visit our web site at www.kingcanada.com for an updated listing of our authorized service centers. In cooperation with our authorized serviced center, King Canada will either repair or replace the product if any part or parts covered under this warranty which examination proves to be defective in workmanship or material during the warranty period.

PARTS DIAGRAM & PARTS LISTS

Refer to the Parts section of the King Canada web site for the most updated parts diagram and parts list.



GETTING TO KNOW YOUR FRAMING NAILER



SPECIFICATIONS

28° Framing Nailer

Model8228N

Air inlet1/4" NPT

Compressed air:

Maximum permissible operating pressure125 PSIG (8.6 bar)

Recommended operating pressure range70-120 PSI (4.8-8.3 bar)

Nail range2-3/16" to 3-9/16" from 10-1/4 to 11-1/2ga. clipped head 28° nails

Nail diameter range0.113" to 0.131"

Magazine capacity100 nails

34° Framing Nailer

Model8234N

Air inlet1/4" NPT

Compressed air:

Maximum permissible operating pressure125 PSIG (8.6 bar)

Recommended operating pressure range70-120 PSI (4.8-8.3 bar)

Nail range2-3/16" to 3-9/16" from 10-1/4 to 11-1/2ga. clipped head 34° nails

Nail diameter range0.113" to 0.131"

Magazine capacity100 nails

SAFETY INSTRUCTIONS



- Read and understand this manual and all the safety instructions before operating this nailer. If you have any questions, please contact our authorized service centres or retailers for help.



- Never allow the use of flammable gases as a power source for the nailer. Use filtered, lubricated and regulated compressed air only.



- Never use gasoline or other flammable liquids to clean this nailer. Vapors in the nailer will ignite by a spark and cause the nailer to explode.



- Do not exceed the maximum permissible operating pressure of this nailer (125 PSI).



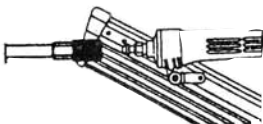
- Disconnect the nailer from its air supply before clearing jams, servicing, adjusting and while the nailer is not in use.



- Do not keep the trigger pulled on contact safety trip mechanism when carrying or holding the nailer. Never carry the nailer by the air hose or pull on the air hose to move the nailer.



- At the workplace, always wear protective equipment such as Z87 safety glasses, hearing and head protection.



- Do not use a check valve or any other fitting which allows air to remain in the nailer.



- Do not place your hand or any part of your body in the nail discharge area of the nailer when connecting or disconnecting from the air supply.



- Never point any operational nail driving tool at yourself or at any other person.



LUBRICATION AIR SUPPLY AND CONNECTIONS

LUBRICATION AND MAINTENANCE



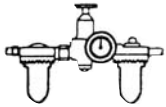
- Your nailer needs to be lubricated before and after the first time you use it.



- Disconnect the air supply from the nailer before lubricating.



- Turn the nailer so that the inlet is facing up and put one drop of high speed spindle oil or air tool oil without detergent into the air inlet. Never use detergent oil or additives. Operate the nailer briefly after adding oil. Wipe off excessive oil at the exhaust.

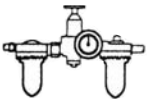
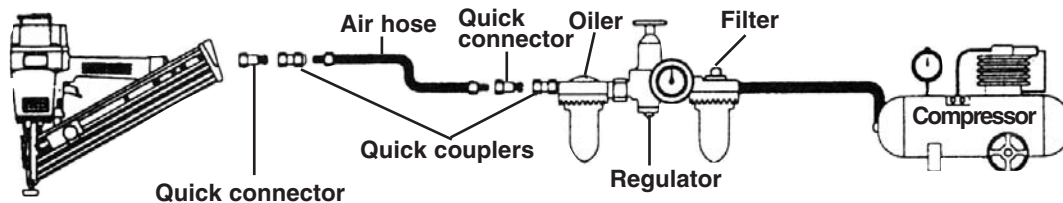


- Excessive oil will damage O-rings of the nailer. If an in-line oiler is used, manual lubrication through the air inlet is not required on a daily basis.
- Cold Weather Operation- Do not store in a cold weather to prevent frost or ice formation on the tools operating valves and mechanisms that could cause tool failure.

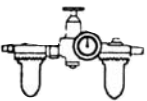
AIR SUPPLY AND CONNECTIONS

WARNING!

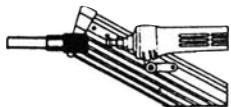
THE FOLLOWING ILLUSTRATION SHOWS THE CORRECT MODE OF CONNECTION TO THE AIR SUPPLY SYSTEM WHICH WILL INCREASE THE EFFICIENCY AND USEFUL LIFE OF THE NAILER.



- Many air tool users find it convenient to use an oiler to help provide oil circulation through the tool and it increases the efficiency and useful life of the tool. Check oil level in the oiler daily.



- Many air tool users find it convenient to use a filter to remove liquid and impurities which can rust or wear internal parts of the tool. A filter also increases the efficiency and useful life of the tool. The filter must be checked on a daily basis and, if necessary, drained.



- For better performance, install a 3/8" quick connector (1/4" NPT threads) with an inside diameter of .315" on your tool and a 3/8" quick coupler on the air hose.

GENERAL GUIDE TO SETTING UP YOUR FRAMING NAILER

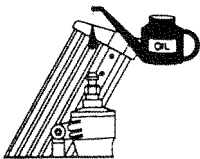


OPERATING YOUR NAILER

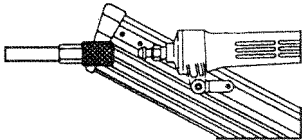
WARNING! protect your eyes and ears. Wear Z87 safety glasses with side shields. Wear hearing protection. Employers are responsible for ensuring the user or anyone near the nailer wears the above mentioned safety protection.



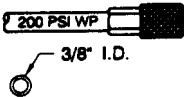
WARNING! Check and replace any damaged or worn components.



- Add one/two drops of 30W oil for air tools into the air inlet.



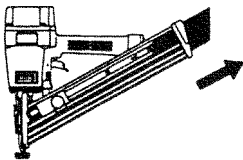
- Install a quick connect fitting to the nailer.



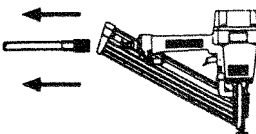
- Connect the nailer to an air compressor using a 3/8" I.D. hose. Make sure the magazine does not contain any nails and that the air hose has a rated working pressure exceeding 200 psi and a female quick coupler.



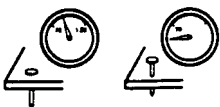
- Regulate the air pressure to obtain 85 psi.



- Load magazine with nails following the instructions in this manual.



- Reconnect the air hose to the nailer air inlet.



- Test for proper nail penetration by driving nails into scrap wood. The depth a nail drives can be adjusted following the depth adjustment instructions in this manual. If the nailer does not drive to your depth setting, regulate the air pressure to a higher setting until the desired penetration is achieved. Do not exceed 120 psi.



OPERATION AND ADJUSTMENTS

Set-up & Loading nails into the magazine

Warning! Disconnect the air hose from the nailer air inlet.

- 1) Pull the feed shoe all the way to the rear, until it latches. See Fig.1.
- 2) Orient the strip of nails with points down and drop the nails into the magazine.
- 3) Slide the nails forward in the magazine. The magazine will hold 100 nails.
- 4) To unlock the feeder shoe, pull it backwards, press the lock release (A) Fig.2 to disengage the feeder shoe lock to slide forward towards the nails.
- 5) Adjust the 360 degree air deflector to blow air away from the operator by simply turning it by hand.

Depth of Drive Adjustment

The depth a nail is driven is adjusted by the depth adjustment plate (A) Fig.3. The factory setting is set to the maximum depth. To adjust,

- 1) Loosen cap screw (B) with hex. key.
- 2) Slide depth adjustment plate to the desired position and retighten cap screw. Sliding the plate upwards increases the depth of drive and moving the plate downwards decreases the depth of drive.
- 3) Test fire a nail and check depth, repeat as necessary.

The amount of air pressure required will vary, determine the lowest setting that will consistently perform the job at hand. Air pressure exceeding that which is required can cause premature wear and/or damage the nailer. A plastic protective tip (C) is provided to reduce marring of the work surface. It can be removed to increase depth of drive. Warning! Disconnect the air hose from the nailer air inlet before removing plastic protective tip.

Sequential and bump fire modes

Operational modes

This framing nailer may be operated in either “sequential” or “bump fire” mode. This framing nailer is shipped with a black trigger installed, this black trigger allows “sequential” firing. A separate red trigger for “bump fire” mode is included.

Sequential Mode

When the black trigger is installed, this framing nailer is in “sequential” mode. This method is recommended when precise nail placement is required. In sequential mode, the trigger needs to be pulled and released each time a nail is driven. The framing nailer is actuated by depressing the framing nailer nose against the work surface.

Bump Fire Mode

When the red trigger is installed, this framing nailer is in “bump fire” mode. This method is recommended when less precise nail placement is required. In bump fire mode, the trigger must be depressed with the framing nailer nose off the work surface. Then, the nose of the framing nailer is tapped against the work surface causing a nail to be driven. Each time the framing nailer nose is depressed, a nail is driven.

Changing Modes

To change the firing mode of your framing nailer, remove the o-ring (Part#232) which secures the trigger pin (#233). Remove the trigger pin, trigger, and the trigger spring (#230). Interchange the trigger only and reassemble the trigger assembly.

Clearing jams

Warning! Disconnect the air hose from the nailer air inlet.

- 1) Remove the remaining nails from the nailer.
- 2) Pull the feeder shoe all the way to the rear until it latches.
- 3) Slide nails to the rear and remove them from the magazine.
- 4) Using a pair of needle nose pliers or a flat screwdriver, remove the bent nail from the back of the nose piece. If you cannot remove the nail this way, follow these instructions;
 - a) Remove both cap screws (A-one on each side) Fig.4, remove nuts (B-only one is shown) and slide magazine back, off the nose piece.
 - b) Remove bent nail and reassemble in the reverse order.



Figure 1



Figure 2

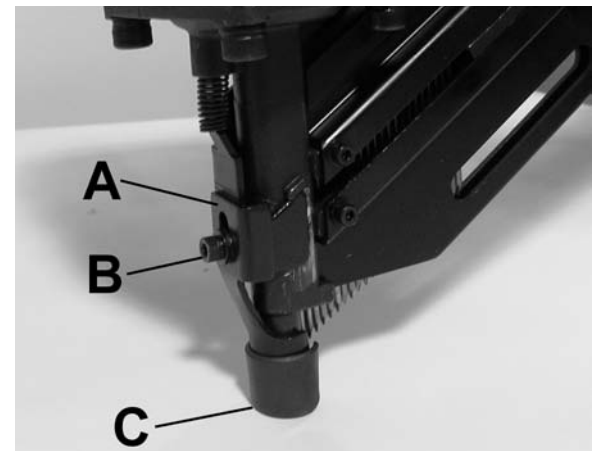


Figure 3

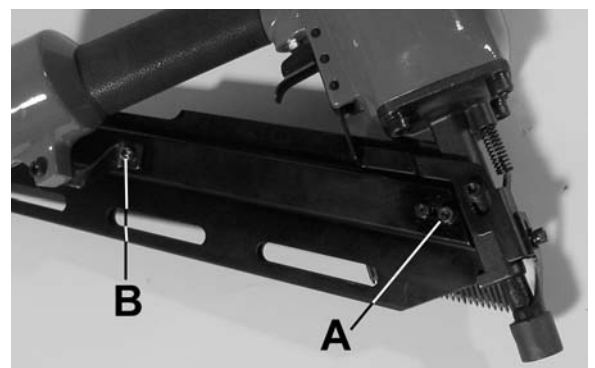
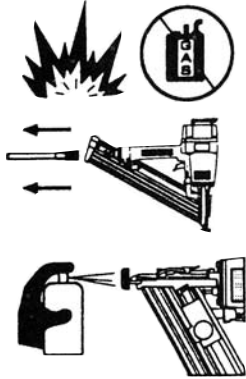


Figure 4

MAINTENANCE & TROUBLESHOOTING



CLEANING YOUR NAILER

- Never use gasoline or other flammable liquids to clean the nailer. Vapors in the nailer will ignite by a spark and cause the tool to explode and result in death or serious personal injury.
- Disconnect the air supply from the nailer.
- Remove tar buildup with #2 kerosene fuel oil or diesel fuel. Do not allow solvent to get into the cylinder or damage may occur. Dry off the tool completely before use.

TROUBLESHOOTING CHART

WARNING: Stop using this tool immediately if any of the following problems occur. Serious personal injury could occur. Any repairs or replacements must be done by a qualified person or an authorized service centre only.

Problem	Cause	Solution
• Air leaking at trigger valve area.	• O-rings in trigger valve are damaged.	• O-rings must be replaced
• Air leaking between housing and nose.	• Loose screws in housing. • Damaged O-rings. • Bumper damage.	• Screws need to be tightened. • O-rings must be replaced. • Bumper needs to be replaced.
• Air leaking between housing and cap assembly.	• Loose screws. • Damaged seal.	• Screws need to be tightened. • Seal must be replaced.
• Nailer skips a nail.	• Worn bumper. • Dirt in nailer nose. • Dirt or damage prevents nails from moving freely in the magazine. • Inadequate air flow to nailer. • Worn O-ring on piston or lack of lubrication. • Damaged O-rings on trigger valve. • Air leaks. • Cap seal is leaking.	• Bumper needs to be replaced. • Clean. • Magazine must be cleaned. • Fitting hose and air compressor need to be checked. • O-rings must be replaced, lubricate. • O-rings must be replaced. • Screws and fittings need to be tightened. • Seal needs to be replaced.
• Nailer runs too slowly or has loss of power.	• Nailer is not sufficiently lubricated. • Broken spring in cap assembly. • Exhaust port in cap is blocked.	• Lubricate. • Spring needs to be replaced. • Damaged internal parts must be replaced.
• Jammed nails.	• Driver guide worn or damaged. • Nails are bent. • Magazine or nose screws are loose. • Damaged driver.	• Replace driver guide. • Replace with undamaged nails. • Screws need to be tightened. • Replace driver.