



# KING KING CANADA

## PALM NAILER



MODEL: 8120P

# INSTRUCTION MANUAL

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## WARRANTY INFORMATION



**2-YEAR  
LIMITED WARRANTY  
FOR THIS PALM 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 through 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](http://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.

**KING CANADA INC. DORVAL, QUÉBEC, CANADA H9P 2Y4**

**[www.kingcanada.com](http://www.kingcanada.com)**



# SAFETY INSTRUCTIONS



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



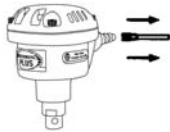
- Never allow the use of flammable gases as a power source for the palm nailer. Use filtered, lubricated and regulated compressed air only.



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



- Do not exceed the maximum permissible operating pressure of this palm nailer (100 PSI).



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

- Never carry the palm nailer by the air hose or pull on the air hose to move the palm 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 palm nailer.

- Do not place your hands near the nail point of entry. A nail can deflect and tear through the surface of the workpiece, puncturing your hand or fingers.

# OPERATION



## SPECIFICATIONS

Model .....	8120P
Air inlet .....	1/4" NPT
Maximum permissible operating pressure .....	120 PSI
Recommended operating pressure range .....	70-100 PSI
Air consumption .....	2-4 CFM
Max nail length.....	4-1/2" (120mm)
Nail head range .....	1/8" to 7/16" (3 - 11.5mm)

## Operation

This fully assembled palm nailer is an automatic hammer. It has no trigger, it starts driving a nail when the rod of the piston assembly presses against the nail head. It will automatically stop when the nail head no longer touches the piston rod. Only a slight amount of pressure is needed to activate this palm nailer. Do not force the palm nailer.

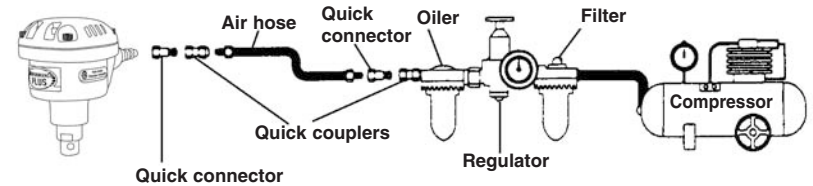
### Lubrication before connecting to air supply

Before connecting your palm nailer to an air supply, it is important to place 2 drops of oil into the quick connect fitting, where the palm nailer connects to the air supply.

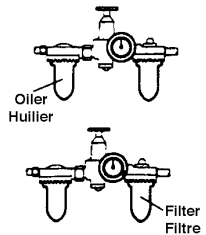


### Air supply and connections

**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 palm 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 moisture 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 0,95 cm (3/8") quick connector (1/4" NPT threads) with an inside diameter of .315" (0,8 cm) on your tool and a 0,95 cm (3/8") quick coupler on the air hose.



### Operating your palm nailer

- Connect the air supply to the quick connect fitting.
- Hold the nail firmly in place with one hand as if using a regular hammer.
- Place the magnetic nose of the palm nailer over the head of the nail, hold the tool firmly in a straight line with the direction in which you intended to drive the nail.
- Gently apply pressure against the nail and the palm nailer will automatically start driving the nail into your workpiece. You can stop the palm nailer at any time by simply lifting it away from the nail.
- Once the job is finished, disconnect the palm nailer from the air supply system.

Note: The palm nailer will automatically countersink all nails to a depth of around 5/64" (2mm) below the workpiece surface, to drive nails flush, simply adjust the air compressor regulator to provide less air pressure.



## MAINTENANCE & TROUBLESHOOTING

### LUBRICATION AND MAINTENANCE

- Your palm nailer needs to be lubricated before and after the first time you use it.
- Disconnect the air supply from the palm nailer before lubricating.
- Turn the palm nailer so that the air inlet is facing up and put **TWO DROPS** of 30W oil or oil without detergent into the air inlet. Never use detergent oil or additives.
- Wipe off excessive oil at the exhaust. Excessive oil will damage O-rings. If an in-line oiler is used, manual lubrication on a daily basis through the air inlet is not required.

### CLEANING YOUR PALM NAILER

- **Never use gasoline or other flammable liquids to clean the nailer. Vapors in the palm 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 palm 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.

### REPLACEMENT DRIVER ASSEMBLY & O-RING REPAIR KIT

After prolonged use of your palm nailer, the internal driver assembly and o-rings may need to be replaced caused by wear & tear. To repair, a complete driver assembly and o-ring replacement accessory kit is available for your palm nailer (model: KW-105). Contact your local King Canada distributor for more information.

### 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.**

Symptom	Possible cause	Solution
Air leaking between exhaust cover and body	1. Cap screw(s) loose. 2. Damaged seal.	1. Tighten cap screw(s). 2. Check and replace seal.
Air leaking from air inlet	1. Air inlet is loose.	1. Tighten air inlet.
Air leaking from top or bottom of body	1. Worn o-ring in cylinder/body/slide/sleeve/piston assembly.	1. Replace o-ring.
Slipping spring	1. Worn seal. 2. Worn guide bushing. 3. Worn nail guide.	1. Replace seal. 2. Replace guide bushing. 3. Replace nail guide.

### PARTS DIAGRAM & PARTS LISTS

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