KING CANADA

18GA. X 1/4” NARROW CROWN STAPLER

PERFORMANCE PLUS

MODEL: 8101S

INSTRUCTION MANUAL

IMPORTANT INFORMATION

2-YEAR LIMITED WARRANTY FOR THIS 18 GA. NARROW CROWN STAPLER	**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.

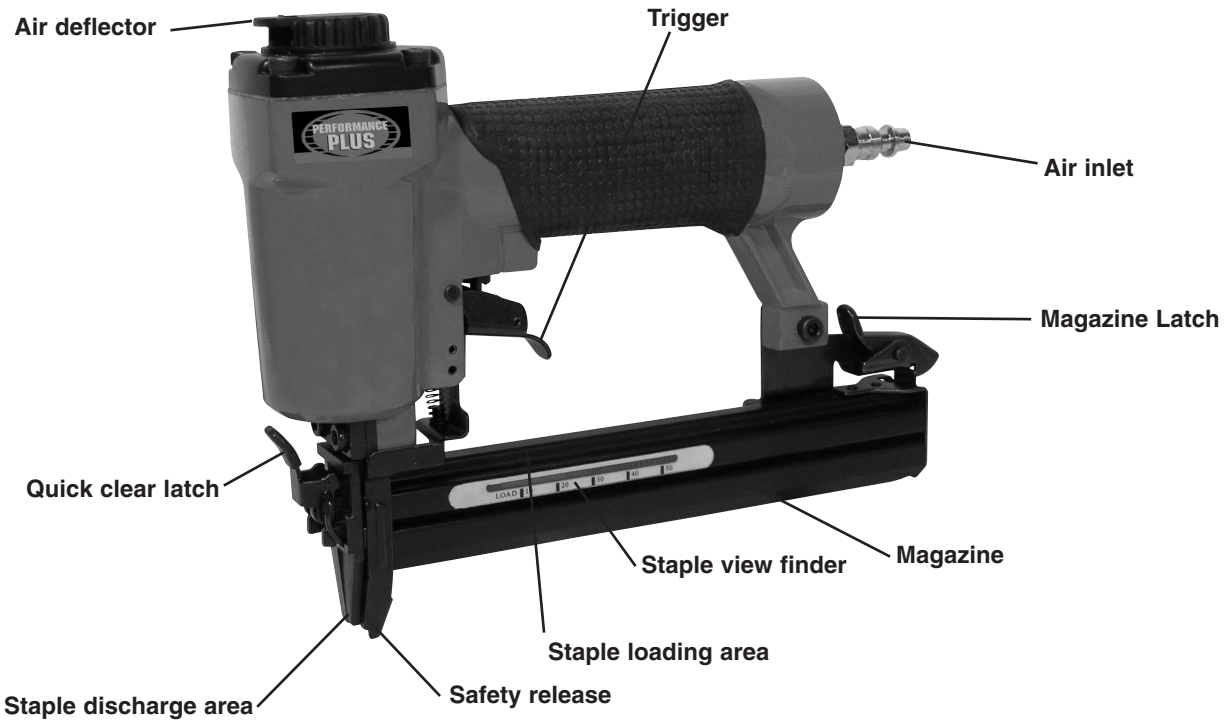
REPLACEMENT PARTS

Replacement parts for this tool are available at our authorized KING CANADA service centers across Canada. For servicing, contact or return to the retailer where you purchased your product along with your proof of purchase.

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, negligence or accidents, repairs or 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 warranty, the product or part must be returned for examination by the retailer. Shipping and handling charges may apply. If a defect is found, KING CANADA will either repair or replace the product.

GETTING TO KNOW YOUR STAPLER



SPECIFICATIONS

Model 8101S
Air inlet ..... 1/4" NPT
Compressed air:
Maximum permissible operating pressure ..... 120 PSIG (8.3 bar)
Recommended operating pressure range ..... 60-100 PSI

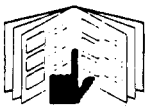
Staple range ..... 3/8" to 1" 18ga. x 1/4" narrow crown staples
Width 1.25mm
Thickness 1mm
Staple capacity ..... 100 staples

Features:
- Powerful stapler drives standard 18 ga. staples from 3/8˝ to 1˝
- Special one piece hardened driver for long, trouble-free performance
- Staple view finder shows quantity of staples in magazine
- Quick release latch for clearing jams
- Adjustable air deflector controls the direction of air exhaust
- Sequential and bump firing modes
- 60-100 PSI operating pressure
- Comes with 1/4˝ Air inlet, oiler, hex. keys & sturdy carrying case

A V A I L A B L E
KING INDUSTRIAL
18 GA.X 1/4" CROWN STAPLES

NS-1812	**1/2"**	**(12MM APPROX.)**
NS-1815	**5/8"**	**(15MM APPROX.)**
NS-1820	**3/4"**	**(18MM APPROX.)**
NS-1822	**7/8"**	**(21MM APPROX.)**
NS-1825	**1"**	**(25MM APPROX.)**

SAFETY INSTRUCTIONS

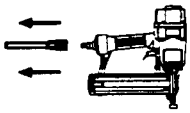


• Read and understand this manual and all the safety instructions before operating this stapler. If you have any questions, please contact our authorized service centres or retailers for help.

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

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

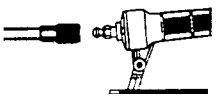
• Do not exceed the maximum permissible operating pressure of this stapler (120 PSIG).



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

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

• 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 stapler.

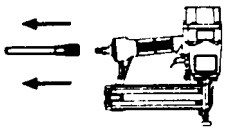
• Do not place your hand or any part of your body in the staple discharge area of the stapler when connecting or disconnecting from the air supply.

• Never point any operational staple driving tool at yourself or at any other person.

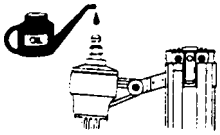
LUBRICATION
AIR SUPPLY AND CONNECTIONS

LUBRICATION AND MAINTENANCE

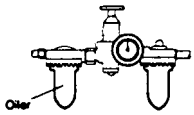
• Your stapler needs to be lubicated before and after the first time you use it.



• Disconnect the air supply from the stapler before lubricating.

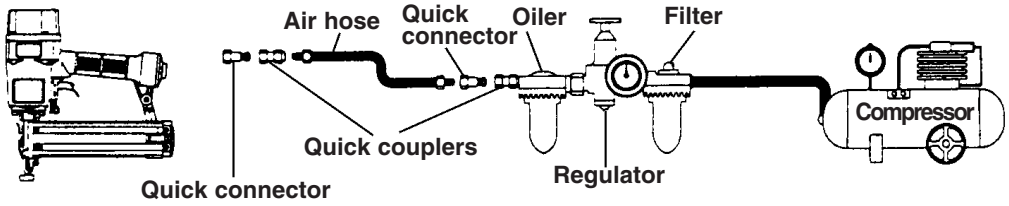


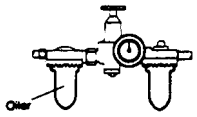
• Turn the stapler so that the inlet is facing up and put **ONE DROP** of high speed spindle oil or oil without detergent into the air inlet. Never use detergent oil or additives. Operate the stapler briefly after adding oil.



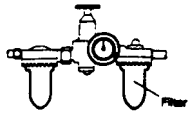
• Wipe off excessive oil at the exhaust. Excessive oil will damage O-rings of the stapler. If a in-line oiler is used, manual lubrication through the air inlet is not required on a daily basis.

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 STAPLER.

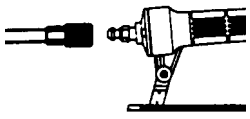




• Many air tool users find it convenient to use an oiler to help provide oil circulation through the tool and it increases the efficiency and useful life of the tool. Check oil level in the oiler daily.

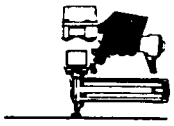


• Many air tool users find it convenient to use a filter to remove moisture and impurities which can rust or wear internal parts of the tool. A filter also increases the efficiency and useful life of the tool. The filter must be checked on a daily basis and, if necessary, drained.



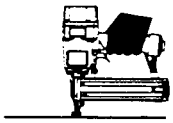
• For better performance, install a 3/8” quick connector (1/4” NPT threads) with an inside diameter of .315” on your tool and a 3/8” quick coupler on the air hose.

CONTACT SAFETY TRIP MECHANISM

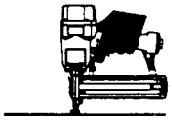


OPERATING A CONTACT SAFETY TRIP TOOL:

• The operator is required to have the finger off the trigger and the nose of the stapler to be placed on the workpiece.



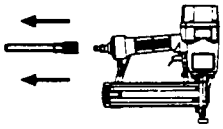
• The contact safety trip mechanism is then depressed against the workpiece and the trigger is pulled to drive the staple.



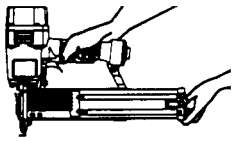
• The trigger is released after each staple is driven.

• Move the stapler to the next location and repeat the above procedure.

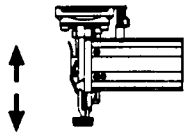
VERIFICATION



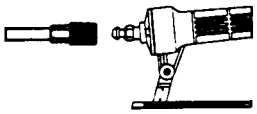
• Disconnect the air supply from the air inlet.



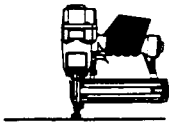
• Empty all staples from the magazine.



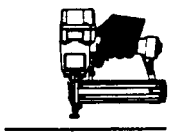
• Make sure the trigger and the contact safety trip mechanism moves up and down without sticking.



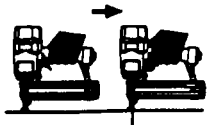
• Connect the air supply to the stapler air inlet.



• Depress the contact safety trip mechanism against the workpiece without pulling the trigger. The stapler must not cycle. **Never use the tool if a cycle occurs.**

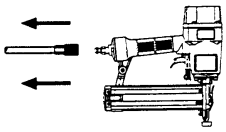


• Hold the stapler clear of the workpiece. The contact safety trip mechanism should return to its original down position. Pull the trigger. The tool must not cycle. **Never use the stapler if a cycle occurs.**



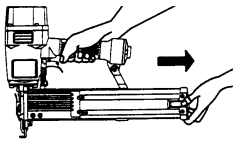
• Depress the contact safety trip mechanism against the workpiece and pull the trigger, the stapler must cycle.

LOADING STAPLER & CLEARING JAMS

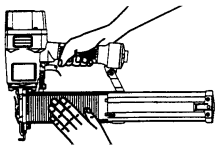


LOADING STAPLER MAGAZINE

• Disconnect the air hose from the stapler air inlet.

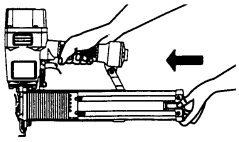


• Depress the magazine latch, pull back on the magazine cover.



• Place a stick of staples over the hanging rail of the magazine so that the legs of the staples straddle.

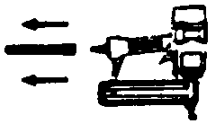
• Push the magazine cover forward until the latch catches.



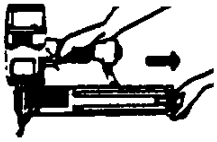
CLEARING JAMS

Disconnect the stapler from the air compressor before adjusting, clearing jams, servicing, relocating and during non-operation.

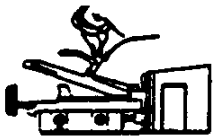
• Disconnect the air hose from the stapler air inlet.



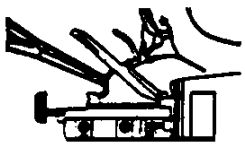
• Depress the magazine latch, pull back on the magazine cover and remove all staples.



• Release latch and remove cover.



• Remove jammed staple, replace cover and latch securely.

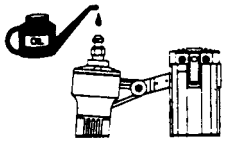


OPERATING YOUR STAPLER

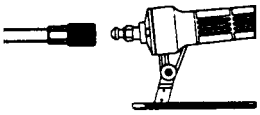
OPERATING YOUR STAPLER

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 stapler wears the above mentioned safety protection.

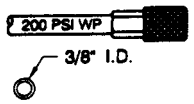
WARNING! Check and replace any damaged or worn components.



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

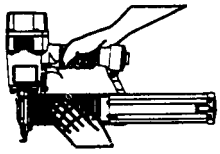


• Install a quick connect fitting to the stapler.

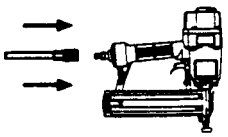


• Connect the stapler to an air compressor using a 3/8” I.D. hose. Make sure the magazine does not contain any staples and that the air hose has a rated working pressure exceeding 200 psi and a female quick coupler.

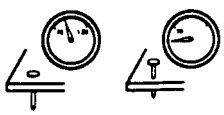
• Regulate the air pressure to obtain 85 psi. Check the operation of the contact safety trip mechanism following the instructions in this manual.



• Load magazine with staples following the instructions in this manual.

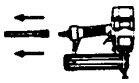


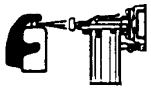
• Reconnect the air hose to the stapler air inlet.



• Test for proper staple penetration by driving staples into scrap wood. If the nails do not achieve the desired penetration, regulate the air pressure to a higher setting until the desired penetration is achieved. Do not exceed 100 psi.

MAINTENANCE & TROUBLESHOOTING





CLEANING YOUR STAPLER

- **Never use gasoline or other flammable liquids to clean the stapler. Vapors in the stapler 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 stapler.
- Remove tar buildup with #2 kerosene fuel oil or diesel fuel. Do not allow solvent to get into the cylinder or dammage 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 and safety trip mechanism must be verified.
• 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 bewteen housing and cap assembly.	• Loose screws. • Damaged seal.	• Screws need to be tightened. • Seal must be replaced.
• Stapler skips a staple.	• Worn bumper. • Dirt in stapler nose. • Dirt or damage prevents staples from moving freely in the magazine. • Inadequate air flow to stapler. • 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.
• Stapler runs too slowly or has loos of power.	• Stapler 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 staples.	• Driver guide worn or damaged. • Staples are bent. • Magazine or nose screws are loose. • Damaged driver.	• Replace driver guide. • Replace with undamaged staples. • Screws need to be tightened. • Replace driver.

REPLACEMENT DRIVER, BUMPER & O-RING REPAIR KITS

After prolonged use of your Stapler, the internal O-rings, Bumper & Driver may have to be replaced caused by wear & tear. To repair, a complete Driver, Bumper & O-ring Replacement Accessory Kit is available for your Stapler (model: KW-078). Contact your local King Canada distributor for more information.

KW-078

PARTS DIAGRAM & PARTS LISTS

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