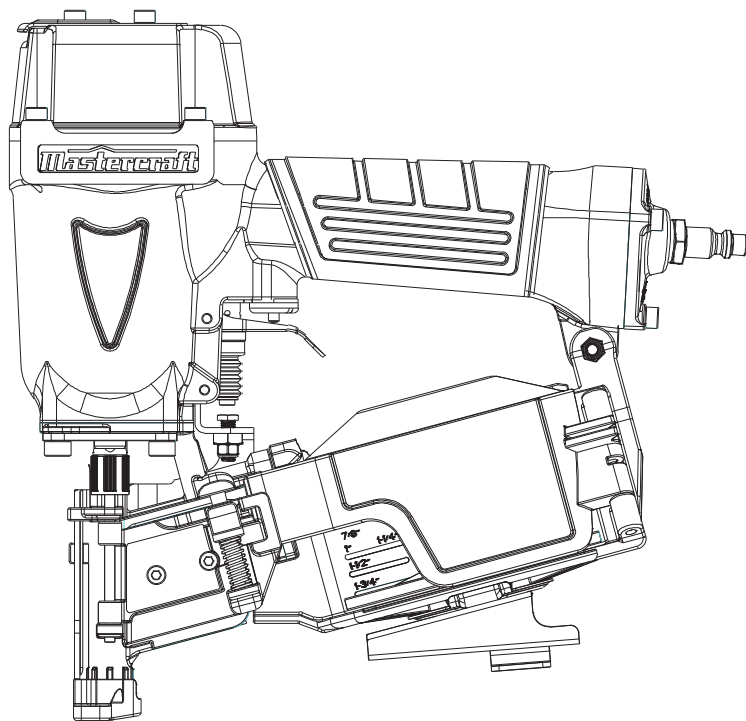


model no. 058-9816-0

Mastercraft®

AIR-POWERED COIL ROOFING NAILER



IMPORTANT :

For your own safety, read and follow all of the Safety Guidelines and Operating Instructions before operating this nailer. Keep this manual for future reference.

**OPERATING
MANUAL**



TABLE OF CONTENTS

TECHNICAL SPECIFICATIONS	4
SAFETY GUIDELINES	5
KEY PARTS DIAGRAM	9
TECHNICAL INFORMATION	10
TYPES OF NAILS	13
OPERATING INSTRUCTIONS	14
MAINTENANCE	21
TROUBLESHOOTING	24
EXPLODED VIEW	26
PARTS LIST	27
WARRANTY	28

TECHNICAL SPECIFICATIONS

LOADING CAPACITY	120 Nails (1 coil)
FASTENER DETAILS	15° Wire-collated coil nails (3/4 - 1 3/4")
OPERATING PRESSURE	70 - 110 PSI (4.8 - 7.5 bar)
AIR CONSUMPTION	0.043 CF/cycle @ 90 PSI
WEIGHT	5 lb 11 oz (2.58 kg)
AIR INLET	3/8" NPT

CF: Cubic Feet (the volumetric flow rate of air corrected to standardized conditions of temperature and pressure).

NPT: National Pipe Thread.

SAFETY GUIDELINES

This manual contains information that relates to PROTECTING PERSONAL SAFETY and PREVENTING EQUIPMENT PROBLEMS. It is very important to read this manual carefully and understand it thoroughly before using the product. The symbols listed below are used to indicate this information.

**DANGER!**

Potential hazard that will result in serious injury or death.

**WARNING!**

Potential hazard that could result in serious injury or death.

**CAUTION!**

Potential hazard that may result in injury or damage to equipment.

PERSONAL SAFETY

These precautions are intended for the personal safety of the user and others working with the user. Please take time to read and understand them.

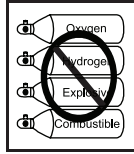
Make sure you read and understand this manual before using this tool. Make sure other users read and understand this manual before they use the tool.

Note: The word "Note" is used to inform the readers of something they need to know about the tool.

SAFETY GUIDELINES



- Do not use oxygen or any other combustible or bottled gas to power air-powered tools. Failure to observe this warning can cause explosion and serious personal injury or death. Use only compressed air to power air-powered tools. Use a minimum of 25' (7.6 m) of hose to connect the tool to only compressor. Failure to comply will result in serious injury or death.



- Risk of inhalation:** Never directly inhale the air produced by the compressor.



- Risk of electric shock:** Do not expose a compressor to rain. Store it indoors. Disconnect the compressor from the power source before servicing. The compressor must be grounded. Do not use grounding adaptors.



- Risk of personal injury:** Do not direct compressed air from the air hose towards the user or other people or animal.



- Never point nailer toward yourself or anyone else.** Always assume the nailer contains fasteners. Never point the nailer toward yourself or anyone else, whether it contains fasteners or not. If fasteners are mistakenly driven, it can lead to severe injuries. Never engage in horseplay with the nailer. Respect the nailer as a working implement.



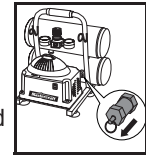
- Risk of burns:** The pump and the manifold generate high temperatures. In order to avoid burns or other injuries, do not touch the pump, the manifold, or the transfer tube while the compressor is running. Allow the parts to cool down before handling or servicing. Keep children and pets away from the compressor at all times.



- Risk of bursting:** Do not adjust the pressure switch or safety valve for any reason. They have been preset at the factory for this compressor's maximum pressure. Tampering with the pressure switch or the safety valve may cause personal injury or property damage.



- Risk of bursting:** Make sure the regulator is adjusted so that the compressor outlet pressure is set lower than the maximum operating pressure of the tool. Before starting the compressor, pull the ring on the safety valve to make sure the valve moves freely. Drain water from the tank after each use. Do not weld nor repair the tank. Relieve all pressure in the hose before removing or attaching accessories.



WARNING!

Potential hazard that could result in serious injury or loss of life.

- Do not allow inexperienced or untrained individuals to operate an air-powered coil roofing nailer or any other air-powered tool.
- Keep hands and other parts of the body away from the firing head during use. Keep hands, feet, and all other parts of the body at least 8" (20 cm) away from the firing head. Nails or objects in the workpiece can cause serious injury if they are deflected by the workpiece or if they are driven away from the point of entry.
- Do not overload the tool. Allow the tool to operate at its optimum speed for maximum efficiency.
- Locate the compressor in a well-ventilated area for cooling, at a minimum of 12" (30 cm) away from the nearest wall.
- Protect the air hose and the power cord from damage and puncture. Inspect them for weak or worn spots before every usage, and replace them if necessary.
- Always wear eye and hearing protection when using the air compressor. Failure to do so may result in hearing loss.
- Do not carry the compressor while it is running.
- Do not operate the compressor if it is not in a stable position.
- Do not operate the compressor on a rooftop or in an elevated position that could allow the unit to fall or be tipped over.
- Always replace a damaged gauge before operating the unit again.



DANGER!

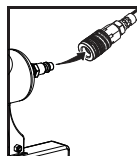
Potential hazard that will result in serious injury or death.

- Keep children away from the work area. Do not allow children to handle power tools.
- Do not use this tool in the presence of flammable liquids or gases. Sparks that are created during use may ignite gases.
- Do not point the tool towards yourself or other people, even when the tool has stopped. Keep hands, feet, and all other parts of the body clear from work area.
- Do not attempt to clear nailer jams while the air hose is connected.
- Do not keep the trigger or the safety stand pressed while loading nails. Unintentional firing of a nail could cause serious personal injury or death.
- Do not disconnect or reconnect the air hose with the trigger pressed. The air-powered coil roofing nailer may fire when it is reconnected to the air supply.

**CAUTION!**

Potential hazard that may result in injury or damage to equipment.

- **Disconnect the tool from the air supply and turn off the compressor** before performing any maintenance, loading or changing nails, when the tool is not in use, when it is being handed to another person, and when it is left unattended. Failure to comply may result in injury or damage to equipment.



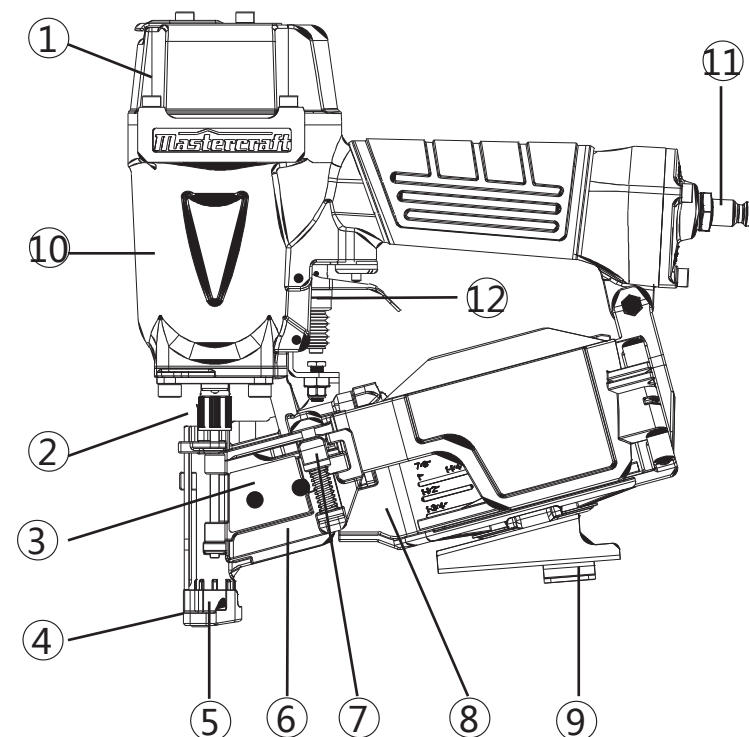
- **Use safety goggles and ear protection:**

Wear safety glasses with side shields when operating the tool and verify that others in the work area are also wearing safety glasses. Safety glasses must conform to American National Standards Institute (ANSI Z87.1) requirements and must provide protection from flying particles from the front and the sides.

Air-powered tools are loud and the sound can cause hearing damage. Always wear ear protection to help prevent hearing damage and loss. Failure to comply may result in injury.



No.	Description	No.	Description
①	Exhaust Cover	⑦	Knob
②	Nose	⑧	Magazine
③	Feeder	⑨	Shingle Guide
④	Push Lever	⑩	Gun Body
⑤	Outlet (Firing Head)	⑪	Air plug
⑥	Nail Guide	⑫	Trigger



Note: Recycle unwanted materials rather than disposing of them as waste. Sort the tools, hoses, and packaging in specific categories and take them to the local recycling centre or dispose of them in an environmentally safe way.

Compatible compressors

GUIDELINES FOR PROPER USE AND OPERATION

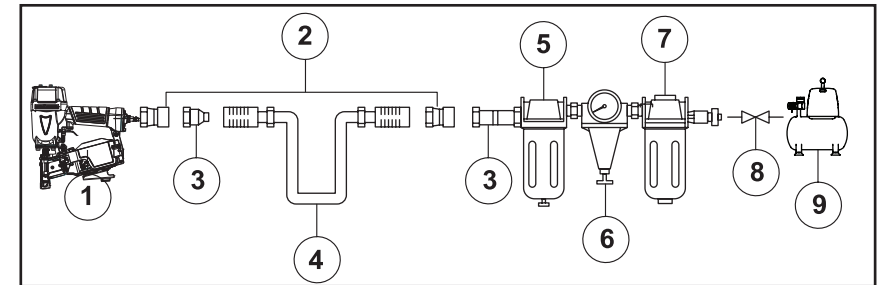
Be sure to use a proper air compressor with Mastercraft® air-powered tools. The compressor should be able to supply a minimal air delivery of 4.7 CFM @ 90 PSI to ensure the compressor can run continuously with the Mastercraft® Air-powered Coil Roofing Nailer.

General use

This Mastercraft® Air-powered Coil Roofing Nailer drives 3/4 to 1 3/4" wire-collated coil nails. The tool is lightweight and durable, stands up to the elements and provides consistently accurate results over the life of the tool. An ideal tool for a variety of construction projects, including installation of asphalt roofing shingles and insulation boards, and features a high-capacity side-load magazine, adjustable drive depth, durable construction, and more.

Air Compressor Size and Power	1 1/2-2 HP	2 1/2 HP	3+ HP
4-6 Gallons	Light-duty and intermittent use	Light-duty and intermittent use	Light-duty and intermittent use
8-11 Gallons	Light-duty and intermittent use	Medium-duty and intermittent use	Medium-duty and intermittent use
15+ Gallons	Medium-duty and intermittent use	Heavy-duty and continuous use	Heavy-duty and continuous use

Wood Density	Nail Size	Compressor Air Pressure
>0.6 g/cm ³	<1" (25 mm)	90 PSI (6.3 bar)
	≥1" (25 mm)	120 PSI (8.3 bar)
≤0.6 g/cm ³	<1" (25 mm)	75 PSI (5.2 bar)
	≥1" (25 mm)	110 PSI (7.5 bar)



No.	Description	No.	Description
1	MASTERCRAFT® Air-powered Coil Roofing Nailer	6	Regulator (0 to 8.5 bar)
2	Quick connector	7	Filter
3	Quick coupler	8	Cut-off valve
4	Air hose	9	Air compressor
5	Lubricator		

Air system

- Always use clean, dry, regulated, compressed air at 4.8 to 7.5 bar (70 to 110 PSI).
- Do not exceed the maximum or minimum pressures. Operating the tool at the wrong pressure (too low or too high) will cause excessive noise or rapid wear.



WARNING!

Potential hazard that could result in serious injury or death.

- Keep hands and other parts of the body away from the tool's discharge and working areas when connecting the air supply. Failure to comply could lead to serious injury or death.

- It is recommended that a filter-regulator-lubricator be used and be located as close to the tool as possible.
- If a filter-regulator-lubricator is not installed, place up to 6 drops of compressor oil into the air inlet plug before each use.
- If a filter-regulator-lubricator is installed, keep the air filter clean. A dirty filter will reduce the air pressure to the tool, which will cause a reduction in power, efficiency, and general performance.
- For optimal performance, install a quick connector to the tool and a quick coupler on the hose, if applicable.
- Verify that all of the connections in the air supply system are sealed in order to prevent air leakage.

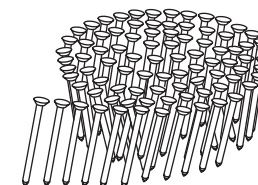
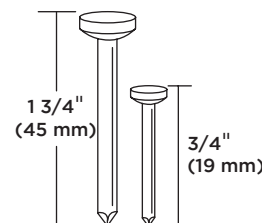
Read this Instruction Manual carefully before using the air-powered roofing nailer.

- Read and follow all the safety instructions at the beginning of this manual. Inspect the air-powered coil roofing nailer prior to each use in order to:
 - ensure that the proper power source is being used.
 - verify that the tool is in proper working order.

This Mastercraft® Air-powered Coil Roofing Nailer drives 3/4 to 1 3/4" wire-collated coil nails.

ACCEPTABLE NAILS

Length: 3/4 - 1 3/4"



NAIL TYPE ICONS

These icons are used to select the proper nails for this specific nailer.

COMPATIBLE NAILS:
CLOUS COMPATIBLES :



Note: Icons are colour coded. Please refer to the actual tool for the specific colour.



WARNING!

Potential hazard that could result in serious injury or death.

- Do not use the tool if it is not in proper working order.
- Do not use oxygen or any other combustible or bottled gas to power this tool.
- Do not use this tool in the presence of any flammable liquids or gases.
- Keep hands and other parts of the body away from the firing head during use.
- Do not point the tool towards the operator or other people.
- Do not attempt to clear a jammed nail when the air hose is connected.
- Do not drive a nail on top of an existing nail. Failure to comply could lead to serious injury or loss of life.



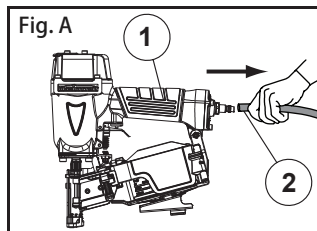
WARNING!

Potential hazard that could result in serious injury or death.

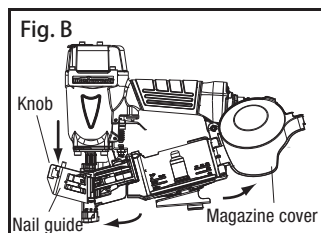
- The use of any other types of nails will cause the nailer to jam and could lead to serious injury or death.

Loading nails

1. Disconnect the tool (1) from the air supply (2) (Fig. A).

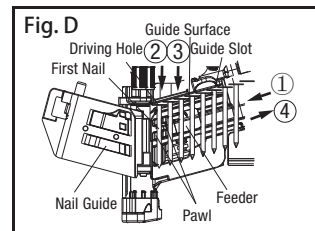
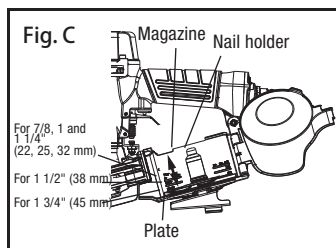


2. Grip the nail guide and knob with finger. Press the knob down, swing the nail guide open and open the magazine cover (Fig. B).



3. Adjust the position of the nail holder to correspond with the nail length. The nail will not feed smoothly if the nail holder is not correctly adjusted.

- ① Turn the nail holder about 90° counter-clockwise.
- ② Move the nail holder up and down to align the plate of the nail holder with the mark on the magazine that correspond with the length of the nails being used.
- ③ Turn the nail holder 90° clockwise until you hear "click" (Fig. C).



4. Place the nails in the magazine. Insert the first nail coil into the magazine opening.
 - ① Uncoil enough nails to reach the driving hole.
 - ② Insert the first nail into the driving hole and the second nail between the two pawls of the feeder.
 - ③ Fit the nail heads in the guide slot.
 - ④ Pull the nails to the right. After checking and making sure that the magazine cover is closed, hook your fingers on the nail guide and knob, turn the nail guide clockwise while pressing the knob downward, and then close the nail guide completely.
 - ⑤ Lock the knob completely (Fig. D).



DANGER!

Potential hazard that will result in serious injury or death.

- Disconnect the tool from the compressed air source before loading nails.
- Do not point the tool towards the operator or other people while changing nails.
- Do not hold the tool with the trigger pressed while changing nails. Failure to comply will lead to serious injury or death.

Note:

Before loading nails in the magazine, adjust the nail holder. If the magazine cover is forcibly closed without adjusting the nail holder correctly, the nail holder may be damaged. Do not deform the collated wires and do not disengage the nails with the guide surface. Otherwise, the nail guide will not close correctly.



DANGER!

Potential hazard that will result in serious injury or death.

- Never place your hands or feet closer than 8" (20 cm) from firing head when using.
- Do not drive nails on top of other nails or with nailer at too steep an angle. Nails can ricochet and hurt someone.
- In order to avoid double fire or unwanted ejection of a nail due to bouncing of the nailer, do not push nailer on workpiece using strong force, take nailer away from workpiece using recoil, release trigger quickly when performing trigger fire.
- Do not drive nails from both sides of a wall at the same time. Nails can be driven into and through the wall and hit a person on the opposite side.
- Never drive nails into thin boards or near corners and edges of workpiece. Nails can be driven through or away from workpiece and hit someone.
- Never use nailer which is defective or operating abnormally.
- Never use nailer as hammer.

Testing the nailer

Before actually beginning the nailing work, test the nailer by using the check list below. Conduct the tests in the following order. If abnormal operation occurs, stop using the nailer and contact a service centre immediately.

1. DISCONNECT AIR HOSE FROM NAILER. REMOVE ALL NAILS FROM NAILER.

- All screws must be tightened. If any screws are loose, tighten them (Fig. F).
- The push lever and trigger must move smoothly (Fig. G).

Fig. F

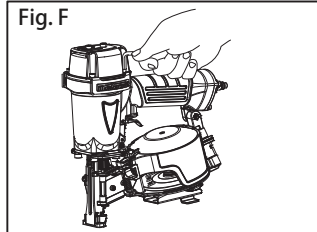
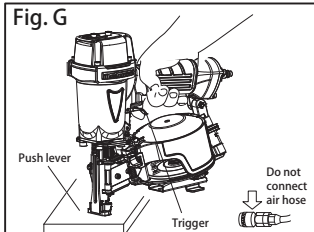


Fig. G



2. Adjust the air pressure to 70 PSI (4.9 bar or 5 kgf/cm²). Connect the air hose. Do not load any nails in the nailer (Fig. H).

- THE NAILER MUST NOT LEAK AIR.
Hold the nailer downward and pull the trigger.
- THE NAILER MUST NOT OPERATE.

Fig. H

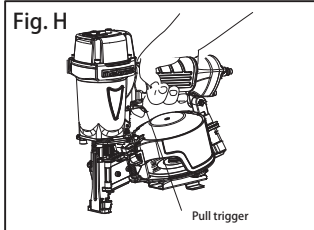
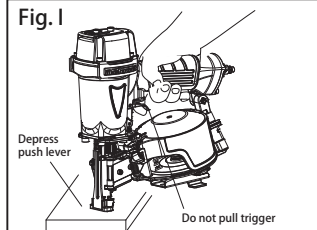


Fig. I



3. With finger off the trigger, depress the push lever against the workpiece (Fig. I).

- THE NAILER MUST NOT OPERATE.

4. Without touching the trigger, depress the push lever against the workpiece. Pull the trigger.

- THE NAILER MUST OPERATE.

5. With the nailer off the workpiece, pull the trigger. Depress the push lever against the workpiece.

- THE NAILER MUST OPERATE.

6. If no abnormal operation is observed, you may load nails in the nailer.

Drive nails into a test piece that is the same type of material that will be used in the actual application.

- THE NAILER MUST OPERATE PROPERLY.



WARNING!

- Never use nailer unless push lever is operating properly. Always wear eye protection.

Firing modes

The Mastercraft® Air-powered Coiled Roofing Nailer has two firing modes: sequential fire for single firing, or bump fire for repetitive, fast firing of nails. The bump fire trigger kit comes installed on the nailer, and the sequential fire trigger kit is included as replacement parts. See page 18 for instructions on how to change from one mode to the other.

METHODS OF OPERATION

This nailer is equipped with a push lever at the nailing point and will not operate unless the push lever is depressed (pushed upwards).

Each mode requires a different method of operation:

1. Sequential fire (single shot)

- ① Position the nail outlet on the workpiece with finger off the trigger.
- ② Push the nailer down until the push lever is completely depressed.
- ③ Pull the trigger to drive a nail.
- ④ Remove finger from the trigger.
- ⑤ To drive another nail, move the nailer along the workpiece, repeating steps 1 to 4 as required (Fig. J).

Fig. J

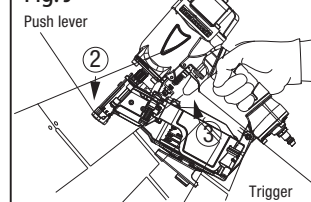
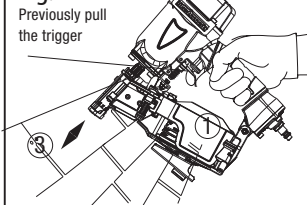


Fig. K



2. Bump fire (multiple shots)

- ① Pull the trigger with the nailer off the workpiece.
- ② Drive a nail by pressing the nailer against the workpiece to depress the push lever.
- ③ Drive additional nails by moving the nailer along the workpiece with a bouncing motion. Each depression of the push lever will drive a nail. When the required nails have been driven, remove finger from the trigger (Fig. K).

Note: Be aware that the final nail can fall out or be driven at an irregular angle.



WARNING!

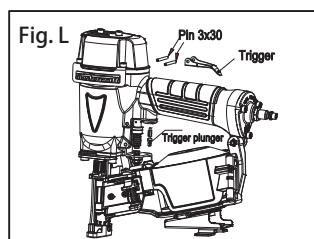
Potential hazard that may result in moderate injury or damage to equipment.

- Keep your finger off the trigger except when nailing. Serious injury could result if the push lever accidentally contacts you or others in work area.
- Keep hands and body away from the discharge area. This Mastercraft® nailer may bounce from the recoil of driving a nail and unexpectedly drive another nail, possibly causing injury.
- Some types of loaded nails can spark out of the muzzle during a nail driving operation. Exercise caution!

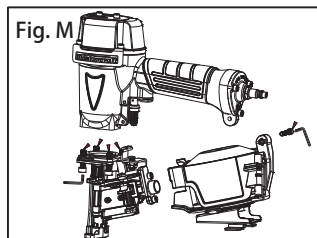
The installed sequential fire (single shot) mechanism is useful for when precision nail placement is desired. It may also reduce the possibility of bodily injury to you or others in the work area as it is less likely to drive an unwanted nail by accidentally bumping the push lever while the trigger is pulled. The bump fire (multiple shot) mechanism is useful when repetitive, fast firing is required.

Replace Sequential Trip Mechanism Parts

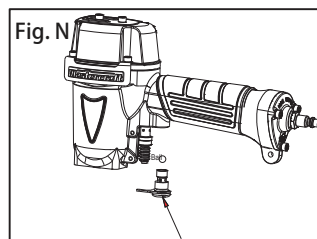
1. Insert a rod into the trigger hole, tapping the rod with two pins and remove the trigger and the trigger plunger (Fig. L).



2. Use a M5 hex wrench to remove the screw as shown, releasing the magazine and nail guide assembly (Fig. M).

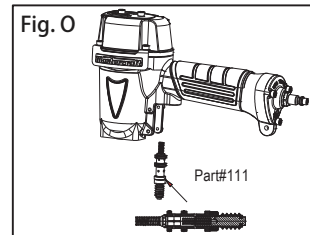


3. Remove the trigger valve bushing assembly and the urethane ball (Fig. N).



NOTE:

- The standard CONTACT TRIP MECHANISM and the optional SEQUENTIAL TRIP MECHANISM are safe if used as described above and according to all warnings and instructions.
- Always handle nails and container carefully. If nails are dropped, collating wire may be damaged and cut, which will cause mis-feeding and jamming.
- After nailing: disconnect air hose from the nailer, remove all nails from the nailer, add 5-10 drops of pneumatic tool lubricant into the air plug in the nailer and open the petcock on the air compressor tank to drain any moisture.



4. Remove the contact trip valve seat components (including plunger and plunger spring), and then changed into sequential trip valve seat components and grease the o-rings (Fig. O).

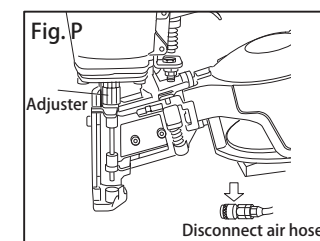
5. Reassemble by completing step 1 to 3 in reverse order.

Adjusting the nailing depth

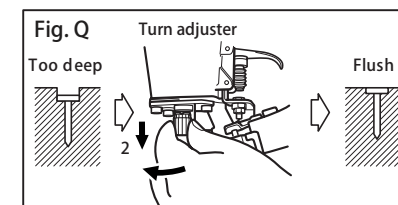
To assure that each nail penetrates to the same depth, be sure that:

- ① The air pressure to the nailer remains constant (regulator is installed and working properly).
- ② The nailer is always held firmly against the workpiece. If nails are driven too deep or too shallow into the workpiece, adjust the nailing depth using the following instructions.

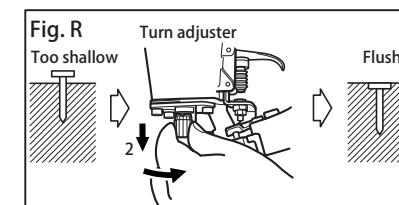
1. Disconnect air hose from nailer (Fig. P).



- 2a. If the nails are driven too deep, pull the adjuster downward and turn counter-clockwise (Fig. Q).



- 2b. If nails are driven too shallow, pull the adjuster downward and turn clockwise (Fig. R).



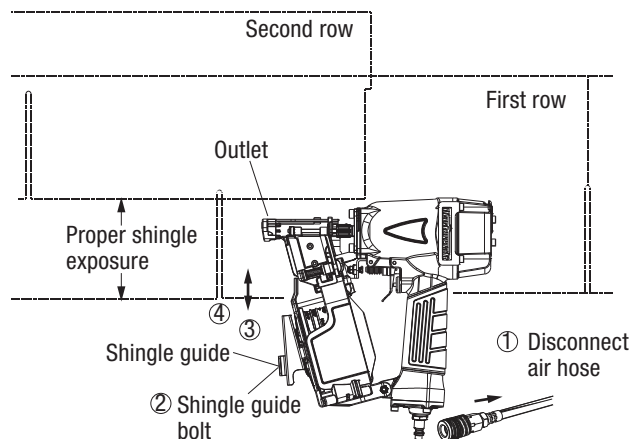
When the adjuster is released it will spring back up and can be set with a click at each 1/4 rotation. The adjuster changes the nailing depth approximately 0.25 mm per 1/4 rotation.

3. Connect the air hose and perform a nailing test. ALWAYS WEAR EYE PROTECTION.
4. If additional adjustments are necessary, DISCONNECT AIR HOSE FROM NAILER and repeat step 2.

Using the shingle guide

The shingle guide can be used to control shingle spacing.

- ① Disconnect air hose from nailer.
- ② Loosen the shingle guide bolt with the accessory hex wrench.
- ③ Place the shingle guide against the bottom of the first row of shingles.
- ④ Adjust the distance between the outlet and the shingle guide to the proper shingle exposure by sliding the shingle guide.
- ⑤ Tighten the shingle guide bolt.



Note: The proper shingle exposure will depend on the type of shingle and the manufacturer's specifications. The shingle guide is not to be utilized as an indicator of nail location.

Clearing a jammed nail

To clear a jammed nail

- Disconnect the tool from the air supply line.
- Open the nail guide and insert a rod into the outlet. Tap the rod with a hammer.
- Remove the jammed nail with a slotted screwdriver.
- Cut the deformed collated wire with snips. Correct the deformation.
- Remove the non-jammed nails that are stored in the tool's magazine.
- Operate the magazine latch and slide the pusher back to open the magazine for checking the jammed nails.
- Use pliers or any appropriate tool to remove the jammed nails.
- Close the magazine cover and slide the pusher to its original position.
- Reload the nails into the tool magazine.
- Reconnect the air supply line to the tool's air inlet.
- Test fire 3 to 5 nails into a piece of scrap wood in order to ensure proper operation.

Cold weather operation

When operating any air-powered tool below freezing temperature:

- Verify if the compressor tank has been properly drained prior to use.
- Keep tools as warm as possible using any safe, convenient method.
- Place up to 6 drops of pneumatic tool oil into the tool's air inlet.
- Adjust the air pressure to 80 PSI or lower.
- Load the nails into the magazine (if required).
- Actuate the tool 5 to 6 times into a scrap wooden piece in order to lubricate the O-rings.
- Adjust the air pressure to the operating level (do not exceed 120 PSI) and use the tool normally.
- Relubricate the tool, as described in the maintenance section.
- Drain the compressor tank at least once per day.

Note: If the nails continue to jam, call 1-800-689-9928.



WARNING!

Potential hazard that will result in serious injury or death.

- Disconnect the tool from the air supply line before clearing a jammed nail. Failure to comply could cause them to be fired out of the tool causing serious injury.
- Do not point the tool towards the operator or other people. Serious personal injury could result if these instructions are not followed.

INSPECTION

- Inspect the push lever and feeders.
 - Disconnect air hose.
 - Clean the knob sliding part and lubricate it with pneumatic tool lubricant.
 - Open the nail guide and remove dust. Lubricate the nose opening and feeder shaft.
 - Lubricate the feeding surface of the nose and the nail guide after cleaning. This promotes smooth operation and prevents rust.
- Clean and remove tar and dirt.

Tar and dirt may build up on the nose and push lever. This can prevent correct operation.

 - Disconnect air hose.
 - Clean and remove tar and dirt with kerosene, #2 fuel oil or diesel fuel. **CAUTION!** Excess vapour from these products could be ignited by a spark produced during nailing and cause an explosion.
 - Immerse only the area around the outlet in solvent. Do not immerse the magazine or body. Plastic parts and O-ring may be damaged.
 - Dry off the nailer before use. Any oil film left after cleanup will accelerate tar buildup and nailer will require more frequent cleaning.
 - Make sure the push lever operates properly.
- Inspect the magazine.
 - Disconnect air hose.
 - Clean the magazine. Remove paper chips or wooden chips which may have accumulated in the magazine.

STORING

- When not in use for an extended period, apply a thin coat of lubricant to the steel parts to avoid rust.
- Do not store the nailer in a cold weather environment.
- When not in use, the nailer should be stored in a warm and dry place. Keep out of reach children.

Note: Solvent sprayed on the nose to clean and free up the push lever may have the opposite effect. The solvent may soften the tar on the shingles and cause tar buildup to be accelerated. Dry operation is better.



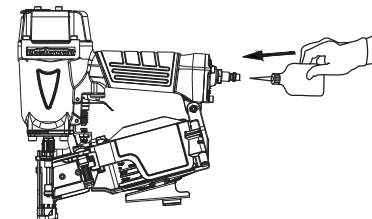
CAUTION!

- Check that the main nail stopper and sub nail stopper slide smoothly by pushing them with finger. If not smooth, nails can be driven at an irregular angle and hurt someone.
- Never use gasoline or other highly flammable liquids.
- Never use nailer unless push lever is operating properly.

Maintenance

MAINTENANCE REQUIRED	DESCRIPTION	TOOLS OR MATERIALS REQUIRED	MAXIMUM SERVICE INTERVAL		
			Each Use or Every 2 Hrs	Monthly	As Needed
General inspection-free movement	Trigger, spring, safety mechanism	None	X		
In-depth inspection	Worn or broken parts			X	X
Replace worn or broken parts					X
Lubrication	See below	Pneumatic tool oil	X		

- Lubrication:** If the air-powered coil roofing nailer and the compressor are not equipped with an in-line lubrication system, place up to 6 drops of pneumatic tool oil into the air inlet before each work day or after every 2 hours of continuous use, depending on the characteristics of the workpiece and type of fasteners used.



- Air-operated tools must be inspected periodically and worn or broken parts must be replaced to ensure that the tools are operating safely and efficiently.
- Inspect and replace worn or damaged O-rings, seals, etc. Tighten all screws and caps frequently in order to help prevent personal injury.
- Keep the magazine of the tool clean and free of any dirt or abrasive particles.

Note: When temperatures are below freezing, keep the tools warm using any safe, convenient method.



DANGER!

Potential hazard that will result in serious injury or death.

- Disconnect the tool from the air compressor before performing maintenance/service, adjusting, clearing jams, reloading, and when it is not in use.
- Repairs must be performed by a qualified service technician only. Failure to comply will lead to serious injury or death.

Troubleshooting

The following chart lists common issues and solutions. Please read it carefully and follow all instructions carefully.

Disconnect the tool from the air supply before making any adjustments.

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
Air leakage at the top of the tool or in the trigger area.	<ol style="list-style-type: none"> 1. O-rings in the trigger valve are damaged. 2. The trigger valve heads are damaged. 3. Trigger valve stem, seal, or O-rings are damaged. 	<ol style="list-style-type: none"> 1. Inspect and replace the O-ring. 2. Inspect and replace trigger valve heads. 3. Inspect and replace the trigger valve stem, seal, or O-ring. <p>Have the tool serviced by a qualified service technician.</p>
Air leakage near the bottom of the tool.	<ol style="list-style-type: none"> 1. The screws are loose. 2. The O-rings or the bumper are worn or damaged. 	<ol style="list-style-type: none"> 1. Tighten the screws. 2. Inspect and replace the O-rings or the bumper. <p>Have the tool serviced by a qualified service technician.</p>
Air leakage between the bottom and the cylinder cap.	<ol style="list-style-type: none"> 1. The screws are loose. 2. The O-rings or the seals are worn or damaged. 	<ol style="list-style-type: none"> 1. Tighten the screws. 2. Inspect and replace the O-rings or the seals. <p>Have the tool serviced by a qualified service technician.</p>
The nails are being driven too deep.	<ol style="list-style-type: none"> 1. The bumper is worn. 2. The air pressure is too high. 3. The depth adjustment knob is not adjusted properly. 	<ol style="list-style-type: none"> 1. Replace the bumper. 2. Adjust the air pressure. 3. Adjust the depth setting by turning the depth adjustment knob counter-clockwise (see section "Adjusting nail depth" for more detailed instructions).



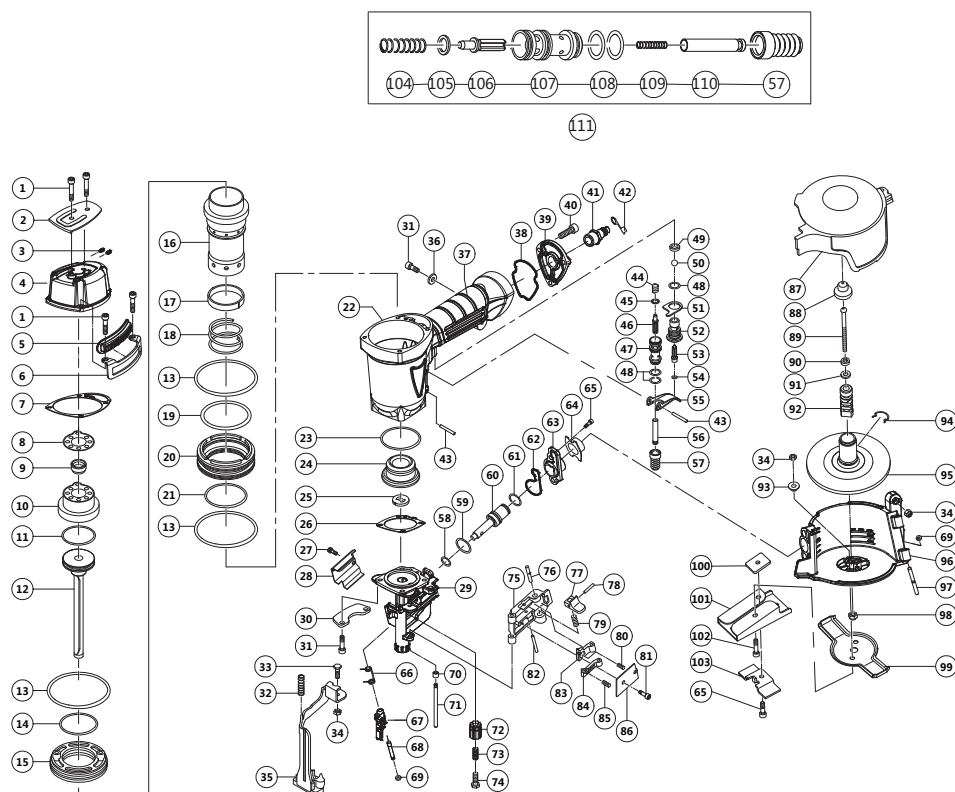
DANGER!

Potential hazard that will result in serious injury or death.

- If any of the following symptoms appear while the tool is in use, turn it off and disconnect it from the air supply immediately. Failure to comply will lead to serious injury or death.
- Repairs must be performed by a qualified service technician only.

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
The tool does not operate properly, it does not drive the nails or operates sluggishly.	<ol style="list-style-type: none"> 1. The air supply is inadequate. 2. Lubrication is inadequate. 3. The O-rings or seals are worn or damaged. 4. The exhaust deflector in the cylinder head is blocked. 	<ol style="list-style-type: none"> 1. Verify that the air supply is adequate. 2. Pour up to 6 drops of oil into the air inlet. 3. Inspect and replace O-rings or seals. 4. Replace the damaged internal parts. <p>Have the tool serviced by a qualified service technician.</p>
The tool skips nails.	<ol style="list-style-type: none"> 1. The bumper is worn or the spring is damaged. 2. There is dirt in the front plate. 3. Nails cannot move freely in the magazine due to dirt or wear. 4. The O-ring on the piston is worn or dry or lubrication is insufficient. 5. The cylinder cover seal is leaking. 	<ol style="list-style-type: none"> 1. Replace the bumper or spring. 2. Clean the drive channel on the front plate. 3. Clean the magazine. 4. Replace the O-ring. 5. Replace the sealing washer. <p>Have the tool serviced by a qualified service technician.</p>
The tool jams.	<ol style="list-style-type: none"> 1. Improper nails are used, or nails are damaged. 2. The driver guide is damaged or worn. 3. The magazine screw is loose. 4. There is dirt in magazine. 	<ol style="list-style-type: none"> 1. Use proper nails. (see section "Clearing a jammed nail.") 2. Inspect and replace the driver. 3. Tighten the magazine. 4. Open and clean the magazine.
Air exhaust is being directed towards the operator.	The direction of the exhaust deflector requires adjustment.	Direct the exhaust deflector away from the operator.

Note: For further repair information, please call 1-800-689-9928.



No.	Description	Qty.
1	Bolt M5 x 30	6
2	Top cover	1
3	Bolt M5 x 6	2
4	Exhaust cover	1
5	Logo	2
6	Body guard	2
7	Cover gasket	1
8	Packing	1
9	Exhaust valve	1
10	Head cap	1

No.	Description	Qty.
11	O-ring 30.5 x 3.5	1
12	Piston	1
13	O-ring 65 x 2	3
14	O-ring 41.5 x 2.4	1
15	Cylinder plate	1
16	Cylinder	1
17	Cylinder ring	1
18	Cylinder spring	1
19	O-ring 56 x 2.4	1
20	Cylinder guide	1

No.	Description	Qty.
21	O-ring 47 x 2.4	1
22	Body assembly (includes 37)	1
23	O-ring 43.5 x 2.65	1
24	Piston bumper	1
25	Bumper sheet	1
26	Housing gasket	1
27	Bolt M5 x 8	2
28	Guard	1
29	Nose	1
30	Nose guard	2
31	Bolt M5 x 25	5
32	Spring	1
33	Bolt M5 x16	1
34	Nut M5	3
35	Pushing lever	1
36	Washer	1
37	Grip rubber	1
38	Cap sealing gasket	1
39	Cap	1
40	Bolt M5 x 20	3
41	Air plug (NPT 3/8")	1
42	Plug protector	1
43	Pin 3 x 30	2
44	Plunger spring	1
45	O-ring 3 x 1.8	1
46	Plunger (A)	1
47	Valve bushing	1
48	O-ring 11.8 x 1.5	3
49	Valve packing	1
50	Urethane ball	1
51	Valve plate	1
52	Trigger valve bushing	1
53	Trigger plunger	1
54	O-ring 2.8 x 1.8	1
55	Trigger	1
56	Plunger (B)	1
57	Valve rubber cover	2
58	O-ring 8.75 x 1.8	1
59	O-ring 14.2 x 1.9	1
60	Feed piston	1
61	O-ring 11.2 x 1.8	1
62	Cover sealing ring	1
63	Feed piston cover	1
64	Magazine bushing	1
65	Bolt M5 x 10	3
66	Feeder spring	1

No.	Description	Qty.
67	Feeder	1
68	Feeder shaft	1
69	Feeder shaft ring	2
70	Shaft ring	1
71	Nail guide shaft	1
72	Adjuster	1
73	Adjuster spring	1
74	Bolt M6 X 18	1
75	Nail guide	1
76	Lock shaft	1
77	Guide lock	1
78	Pin 3 x 10	1
79	Guide lock spring	1
80	Main stopper spring	1
81	Bolt M4 x 10	2
82	Roll pin 3 x 28	1
83	Main nail stopper	1
84	Nail stopper	1
85	Sub stopper spring	1
86	Nail guide cover	1
87	Magazine cover	1
88	Holder cap	1
89	Screw M4 x 50	1
90	Spring washer D=4	1
91	Washer D=4	1
92	Holder shaft	1
93	Sleeve	2
94	Ratchet spring	1
95	Nail holder	1
96	Magazine	1
97	Pin	1
98	Nylon Nut M4	1
99	Magazine guard	1
100	Plate nut	1
101	Guide base	1
102	Bolt M5 x 14	2
103	Shingle guide	1
104	Plunger spring II	1
105	O-ring 3.55 x 2	1
106	Plunger (A) II	1
107	Valve bushing II	1
108	O-ring 11.8 x 1.5	2
109	Plunger (B) II	1
110	Plunger III	1
111	Sequential fire trigger assembly (includes 57, 104 -110)	1

3-Year Limited Warranty

This product is guaranteed for a period of 3 years from the date of original retail purchase against defects in workmanship and materials, except for the following component:

Component A: Accessories, which are guaranteed for a period of 1-year from the date of original retail purchase against defects in workmanship and materials.

Subject to the conditions and limitations described below, this product, if returned to us with proof of purchase within the stated warranty period and if covered under this warranty, will be repaired or replaced (with the same model, or one of equal value or specification), at our option. We will bear the cost of any repair or replacement and any costs of labour relating thereto.

These warranties are subject to the following conditions and limitations:

- a) A bill of sale verifying the purchase and purchase date must be provided.
- b) This warranty will not apply to any product or part thereof which is worn or broken or which has become inoperative due to abuse, misuse, accidental damage, neglect, or lack of proper installation, operation, or maintenance (as outlined in the applicable instruction manual or operating instructions), or which is being used for industrial, professional, commercial, or rental purposes.
- c) This warranty will not apply to normal wear and tear or to expendable parts or accessories that may be supplied with the product which are expected to become inoperative or unusable after a reasonable period of use.
- d) This warranty will not apply to routine maintenance and consumable items such as, but not limited to, fuel, lubricants, vacuum bags, blades, belts, sandpaper, bits, fluids, tune-ups, or adjustments.
- e) This warranty will not apply where damage is caused by repairs made or attempted by others (i.e., persons not authorized by the manufacturer).
- f) This warranty will not apply to any product that was sold to the original purchaser as a reconditioned or refurbished product (unless otherwise specified in writing).

- g) This warranty will not apply to any product or part thereof if any part from another manufacturer is installed therein or any repairs or alterations have been made or attempted by unauthorized persons.
- h) This warranty will not apply to normal deterioration of the exterior finish, such as, but not limited to, scratches, dents, paint chips, or to any corrosion or discolouring by heat, or abrasives and chemical cleaners.
- i) This warranty will not apply to component parts sold by and identified as the product of another company, which shall be covered under the product manufacturer's warranty, if any.

Additional limitations

This warranty applies only to the original purchaser and may not be transferred. Neither the retailer nor the manufacturer shall be liable for any other expense, loss or damage, including, without limitation, any indirect, incidental, consequential, or exemplary damages arising in connection with the sale, use, or inability to use this product.

Notice to consumer

This warranty gives you specific legal rights, and you may have other rights, which may vary from province to province. The provisions contained in this warranty are not intended to limit, modify, take away from, disclaim, or exclude any statutory warranties set forth in any applicable provincial or federal legislation.

Made in China

Imported by Mastercraft Canada Toronto, Canada M4S 2B8