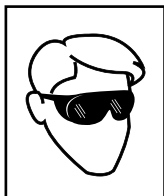


SAFETY

IMPORTANT SAFETY INSTRUCTIONS FOR USING FLOOR STAPLERS READ ALL INSTRUCTIONS

⚠ DANGER

1. OPERATORS AND OTHERS IN WORK AREA MUST WEAR SAFETY GLASSES WITH SIDE SHIELDS.



When operating the stapler, always wear eye safety glasses with side shields, and make sure others in the work area wear safety glasses, too.

Safety glasses must conform to the requirements of American National Standards Institute, ANSI Z87.1 and provide protection against flying particles both from the front and side.

The employer must enforce the use of safety glasses by the stapler operator and others in work area.

2. NEVER USE OXYGEN OR OTHER BOTTLED GASES. EXPLOSION MAY OCCUR.



Never use oxygen, combustible gases or any other bottled gases as a power source for the tool. Use of the above gases is dangerous, as the tool will explode. Use only clean, dry, regulated compressed air.

⚠ WARNING



3. NEVER POINT TOOL AT YOURSELF OR OTHERS IN WORK AREA.

Always assume the tool contains fasteners. Never point the tool at yourself, toward yourself or others whether it contains fasteners or not.

If fasteners are mistakenly driven, it can lead to severe injuries. Never engage in horseplay with the tool. Respect the tool as a working implement.

4. KEEP FINGERS AWAY FROM TRIGGER WHEN NOT DRIVING FASTENERS TO AVOID ACCIDENTAL OPERATION.

Never carry the tool with finger on safety trigger since you could drive a fastener unintentionally and injure yourself or someone else. Always carry the tool by the handle only.

5. CHOICE OF TRIGGERING METHOD IS IMPORTANT.

Please read and understand page 16-17 of "METHODS OF OPERATION."

6. DO NOT EXCEED 100 psi. (6.2 bar 6.3 kgf/cm²)



Do not exceed maximum recommended air pressure 100 psi (6.2 bar 6.3 kgf/cm²). Never connect the tool to pressure which potentially exceeds 200 psi (13.7 bar 14 kgf/cm²) as the tool can burst.

SAFETY (continued)

⚠ WARNING

7. ALWAYS WEAR EAR AND HEAD PROTECTION.

Always wear ear protection to protect your ears from loud noise. Always wear head protection to protect your head from flying objects.

8. STORE TOOL PROPERLY.

When not in use, the tool should be stored in a dry place. Keep out of reach of children. Lock the storage area. Do not store tool in a cold weather environment to prevent frost or ice formation on the tools operating valves and mechanisms that could cause tool failure.

9. KEEP WORK AREA CLEAN.

Cluttered areas invite injuries. Clear all work areas of unnecessary tools, debris, furniture, etc.

10. NEVER USE IN PRESENCE OF FLAMMABLE LIQUIDS OR GASES.

The tool produces sparks during operation. Never use the tool in sites containing lacquer, paint, benzene, thinner, gasoline, gases, adhesive agents, and other materials which are combustible or explosive.

11. KEEP VISITORS AWAY.

Do not let visitors handle the tool. All visitors should be kept away from work area.

12. DRESS PROPERLY.

Do not wear loose clothing or jewelry as they can be caught in moving parts. Rubber gloves and nonskid footwear are recommended when working indoors. Wear protective hair covering to contain long hair.

13. NEVER USE NON RELIEVING COUPLER ON TOOL.

If a non relieving coupler is used on the tool, the tool can remain charged with air after disconnecting and thus will be able to drive a fastener even after disconnecting. The tool and air hose must have a hose coupling such that all pressure is removed from the tool when the coupling joint is disconnected.

14. CHECK SAFETY BEFORE USE.

Make sure the safety trigger operates properly. Never use the tool unless the safety trigger is operating properly, otherwise the tool could drive a fastener unexpectedly. Do not tamper with or remove the safety trigger, otherwise the safety trigger becomes inoperable.

15. KEEP ALL SCREWS AND COVERS TIGHTLY IN PLACE.

Keep all screws and covers tightly mounted. Check their condition periodically. Never use the tool if parts are missing or damaged.

16. DO NOT LOAD FASTENERS WHILE RAM CAP IS CONTACTED OR SAFETY TRIGGER IS OPERATED.

When loading fasteners into the tool or when connecting the air hose,

- 1) Do not contact the ram cap.
- 2) Do not depress the safety trigger; and
- 3) Keep the tool pointed downward.

17. KEEP FACE, HANDS AND FEET AWAY FROM DISCHARGE AREA DURING USE.

Never place your face, hands or feet closer than 8 inches (200 mm) from discharge area. A serious injury can result if the fasteners are deflected by the work piece, or are driven away from the point of entry.

SAFETY (continued)

⚠ WARNING

18. PLACE TOOL PROPERLY ON WORK PIECE.

Do not drive fasteners on top of other fasteners or with the tool at too steep of an angle; the fasteners can ricochet and hurt someone.

19. BE CAREFUL OF DOUBLE FIRE DUE TO RECOIL.

Keep face, hands and body away from the discharge area of the tool. The tool may bounce from the recoil of driving a fastener and an unwanted second fastener may be driven possibly causing injury.

20. DO NOT DRIVE FASTENERS INTO THIN BOARDS OR NEAR CORNERS AND EDGES OF WORK PIECE.

The fasteners can be driven through or away from the work piece and hit someone.

21. NEVER DRIVE FASTENERS FROM BOTH SIDES OF A WALL AT THE SAME TIME.

The fasteners can be driven into and through the wall and hit a person on the opposite side.

22. CHECK FOR LIVE WIRES.

Avoid the risk of severe electrical shock by checking for live electrical wires that may be hidden by walls, floors or ceilings. Turn off the breaker switch to ensure there are no live wires.

23. NEVER CARRY TOOL BY HOSE.

24. DO NOT OVER REACH.

Keep proper footing and balance at all times.

25. NEVER USE TOOL WHICH IS DEFECTIVE OR OPERATING ABNORMALLY.

If the tool appears to be operating unusually, making strange noises, or otherwise appears defective, stop using it immediately and arrange for repairs by a PORTA-NAILS authorized service center.

26. DO NOT DISCONNECT AIR HOSE FROM TOOL WITH FINGER ON TRIGGER.

The tool can operate when re-connected to an air supply.

27. DISCONNECT AIR HOSE FROM TOOL WHEN:

- 1) Doing maintenance and inspection;
- 2) Loading fasteners;
- 3) Clearing a jam;
- 4) It is not in use;
- 5) Leaving work area;
- 6) Moving it to another location; and
- 7) Handing it to another person.

Never attempt to clear a jam or repair the tool unless you have disconnected air hose from the tool and removed all remaining fasteners from the tool. The tool should never be left unattended since people who are not familiar with the tool might handle it and injure themselves.

28. STAY ALERT.

Watch what you are doing. Use common sense. Do not operate the tool when you are tired. The tool should never be used by you if you are under the influence of alcohol, drugs or medication that makes you drowsy.

29. HANDLE TOOL CORRECTLY.

Operate the tool according to the Manual. Never allow the tool to be operated by children, individuals unfamiliar with its operation or unauthorized personnel.

SAFETY (continued)

⚠ WARNING

30. NEVER USE TOOL FOR APPLICATIONS OTHER THAN THOSE SPECIFIED IN THIS MANUAL.

31. HANDLE TOOL CAREFULLY.

Because of high air pressure in the tool, cracks in the surface are dangerous. To avoid this, do not drop the tool or strike the tool against hard surfaces; and do not scratch or engrave signs on the tool. Handle the tool carefully.

32. MAINTAIN TOOL WITH CARE.

Keep the tool clean and lubricated for better and safer performance.

33. USE ONLY PARTS, ACCESSORIES OR FASTENERS SUPPLIED OR RECOMMENDED BY PORTA-NAILS.

Unauthorized parts, accessories, or fasteners may void your warranty and can lead to malfunction and resulting injuries. Only service personnel trained by PORTA-NAILS, distributor or employer shall repair the tool.

34. NEVER MODIFY OR ALTER A TOOL.

Doing so may cause it to malfunction and personal injuries may result.

⚠ WARNING

1. NEVER use a hammer with a loose head or splintered handle.
2. Do not tie, tape, or otherwise disable the safety trigger as this could result in accidental discharge of the tool causing injury to yourself and others.
3. Do not strike the ram/actuator without pulling the safety trigger. Hitting the tool with the safety interlock engaged will severely damage the safety mechanism and the tool. This abuse and damage is not covered by the warranty.

EMPLOYER'S RESPONSIBILITIES

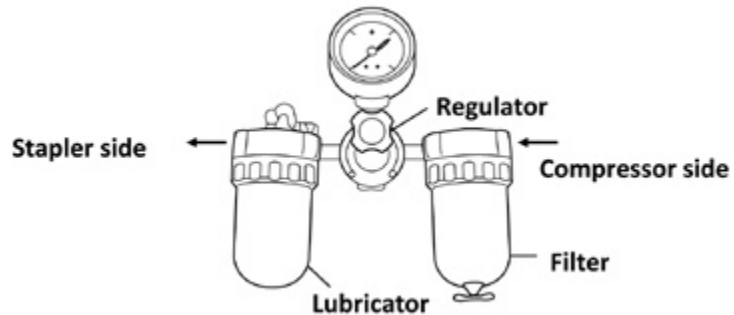
1. Ensure that this MANUAL is available to operators and personnel performing maintenance.
2. Ensure that tools are used only when operators and others in work area are wearing EYE PROTECTION.
3. Enforce the use of EYE PROTECTION by operators and others in work area.
4. Keep tools in safe working order.
5. Maintain tools properly.
6. Ensure that tools which require repair are not further used before repair.

**SAVE THIS MANUAL AND
KEEP IT AVAILABLE FOR OTHERS!**

AIR SUPPLY (continued)

These units should always be used

- Filter** The filter removes moisture and dirt mixed in compressed air. Drain daily unless fitted with an automatic drain. Keep the filter clean by regular maintenance.
- Regulator** The regulator controls the operating pressure for safe operation of the tool. Inspect the regulator before operation to be sure it operates properly.
- Lubricator** The lubricator supplies an oil mist to the tool. Inspect the lubricator before operation to be sure the supply of lubricant is adequate. Use pneumatic tool lubricant.



3. Air Hose

Air hoses should have a minimum of 150 psi (10.4 bar 10.6 kgf/cm²) working pressure rating or 150 percent of the maximum pressure that could be produced in the air system. The supply hose should contain a fitting that will provide "quick disconnecting" from the male plug on the tool.

4. Hose Coupling

Install a male plug on the tool which is free flowing and which will release air pressure from the tool when disconnected from the supply source. This tool uses a 3/8" NPT. male plug. The inside diameter should be .275" (7mm) or larger. The fitting must be capable of discharging tool air pressure when disconnected from the air supply.

5. Air Consumption

The tool requires 4.2 cfm of free air to operate at the rate of 60 fasteners per minute @ 80 psi. Take the actual rate at which the tool will be run to determine the amount of air required. For instance, if your fastener usage averages 30 fasteners per minute, you need 50% of the tool's cfm.

6. Operating Pressure

70 - 100 psi. Select the operating pressure within this range for best fastener performance. DO NOT EXCEED THIS RECOMMENDED OPERATING PRESSURE.

LUBRICATION

Frequent, but not excessive, lubrication is required for best performance. Oil added through the air line connection will lubricate the internal parts. Use Pneumatic tool Lubricant, Mobil Velocite #10, or equivalent. Do not use detergent oil or additives as these lubricants will cause accelerated wear to the seals and Piston Cushion in the tool, resulting in poor tool performance and frequent tool maintenance. If no airline lubricator is used, add oil during use into the air fitting on the tool once or twice a day. Only a few drops of oil at a time are necessary. Too much oil will only collect inside the tool and will be noticeable in the exhaust cycle.

COLD WEATHER CARE

For cold weather operation, near and below freezing, the moisture in the air line may freeze and prevent tool operation. We recommend the use of WINTER FORMULA air tool lubricant (NEW-MATIC Winter Formula or equivalent) or permanent anti freeze (ethylene glycol) as a cold weather lubricant.

⚠ CAUTION

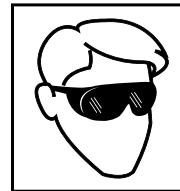
Do not store tools in a cold weather environment to prevent frost or ice formation on the tools operating valves and mechanisms that could cause tool failure.

NOTE: Some commercial air line drying liquids are harmful to O-rings and seals – do not use these low temperature air dryers without checking compatibility.

⚠ CAUTION

Do not operate the tool at high pressure without fasteners.

TESTING THE TOOL



⚠ DANGER

Operators and others in work area MUST wear safety glasses with side shields which conforms to ANSI Z87.1 specifications.

⚠ DANGER

- **Never use tool unless safety trigger is working properly**
 - **Manufacturer recommends before each use, check all screws and nuts to make sure they are tight and have not "jarred loose" from vibration and use.** (Shoe, Shoe Base and Pad, Magazine, Magazine Retainer Bracket, Handle, etc.). Manufacturer recommends before each use, check the Driver Blade tip for deformation & breakage to prevent improper driving of fasteners and/or to prevent damage to the tool and Flooring. Before actually beginning the fastening work, test the tool by using the check list below. Conduct the tests in the following order. If abnormal operation occurs, stop using the tool and contact a PORTA-NAILS authorized service center immediately.
- 1) **Adjust the air pressure to 70 psi (4.8 bar , 4.9 kgf/cm²)**
 - Connect the air hose.
 - Do not load any fasteners in the tool.
 - The tool must not leak air.
 - 2) **Pull the safety trigger.**
 - The tool must not operate.

TESTING THE TOOL (continued)

- 3) Remove the finger from the trigger and contact the ram cap.
 - The tool must not operate.
- 4) First, pull the safety trigger. Next, contact the ram cap.
 - The tool must operate.

ADJUSTING AIR PRESSURE

⚠ WARNING



- Do not exceed 100 psi (6.2 bar 6.3 kgf/cm²)

Adjust the air pressure at recommended operating pressure 70 – 100 psi according to the length of fasteners and the hardness of workpiece. The correct air pressure is the lowest pressure which will do the job. Using the tool at a higher than required air pressure unnecessarily over stresses the tool.

LOADING FASTENERS

⚠ WARNING

- When loading fasteners into the tool,
 1. Do not contact the ram cap
 2. Do not depress the safety trigger; and
 3. Keep the tool pointed downward

TO PREVENT ACCIDENTAL INJURIES:

Never place a hand or any other part of the body in tool discharge area of tool while the air supply is connected.

Never point the tool at anyone else.

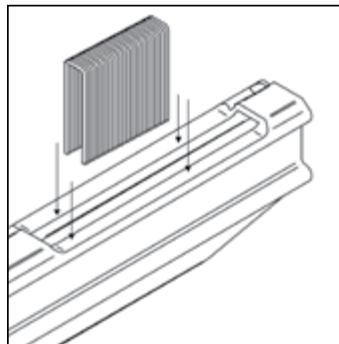
Never engage in horseplay.

Never pull the trigger unless nose is directed at the work.

Always handle the tool with care.

Do not pull the trigger or depress the trip mechanism while loading the tool.

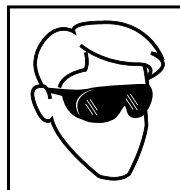
LOADING FASTENERS (continued)



Insert 15-1/2 Ga 1/2" Crown Staples in the top of the magazine as shown. Engage pusher assembly. The tool is now ready to operate.

TOOL OPERATION

Read section titled "SAFETY" (pages 4-7)



⚠ DANGER

- Operators and others in work area **MUST** wear safety glasses with side shields which conforms to ANSI Z87.1 specification.



⚠ WARNING

- NEVER point tool at yourself or others in work area.
- Keep fingers AWAY from trigger when not driving fasteners to avoid accidental operation.
- Never place your face, hands or feet closer than 8 inches (200 mm) from discharge area when using. The tool may bounce from the recoil of driving a fastener and an unwanted second fastener may be driven possibly causing injury.
- Check operation of the safety mechanism frequently. Do not use the tool if the safety is not working correctly as accidental driving of a fastener may result. Do not interfere with the proper operation of the safety mechanism.
- The safety trigger is a safety device and should only be pulled when the tool is in proper position on the work surface and before the ram/actuator is struck with the mallet.
- Do not tie or tape down the safety trigger as the tool could discharge if dropped on the plunger. The tool will not operate unless the trigger is pulled before striking the ram/actuator with the mallet.
- Do not use the safety as a disabling mechanism for the ram/actuator in order to use the tool to rack the wood. This will severely damage the mechanism and the tool. This abuse and damage is not covered by the warranty. Use the mallet to rack the flooring, not the tool.
- Do not strike the ram/actuator without pulling the safety trigger! Hitting the tool with the safety engaged will damage the safety mechanism and the tool.

TOOL OPERATION (continued)

- Do not drive fasteners on top of other fasteners or with tool at too steep of an angle; fasteners can ricochet and hurt someone.
- Do not strike the ram/actuator or any part of the tool with the metal portion of the mallet. Use the rubber capped end only to prevent possible injury and/or damage to the tool.
- Do not drive fasteners into thin boards or near corners and edges of work piece. Fasteners can be driven through or away from work piece and hit someone.
- Do not overdrive fasteners. NWFA (National Wood Flooring Association) states that one reason for split tongues is overdriving.
- Never use tool which is defective or operating abnormally.
- Do not use tool as a hammer.
- Disconnect air hose from tool when:
 - 1) It is not in use;
 - 2) Leaving work area;
 - 3) Moving it to another location; and
 - 4) Handing it to another person.
- Wear safety glasses and safety shoes for protection against foreign objects.
- Never use a Hammer with a loose head or splintered handle.
- Use only fasteners from Porta-Nails.
- Air supply hoses should have a minimum working pressure rating of 150 psi or 150 percent of the maximum pressure produced in the power source, whichever is higher.
- Check all hoses before connecting to ensure that they are free from dirt, grit, or particles that could alter the performance of the tool.
- An airline Filter and In-Line Air Regulator adjustable to 125 psi max are required.
- NEVER use a defective tool. Replace worn or damaged parts immediately. Be sure that the Safety Trigger and operating mechanisms operate correctly and that all screws and seals are securely tightened at all times.

METHODS OF OPERATION

After connection with power source is made, check to be sure that the airline Regulator pressure is 70-90 psi. Note: Some flooring wood species /materials may require a higher pressure in order to countersink the fastener. Harder more dense Flooring wood species requires more pressure than typical Oak or Maple flooring. Face Nailing requires approximately 5 psi or more than Angle Nailing.

Ensure that tool is in proper working order and that there is no leaking of air. If there is an air leak, Disconnect Immediately! Arrange for repairs by a Porta-Nails authorized service center. After being sure tool is operable, place tool in position to be used. Always place the tool in proper position against the flooring to be fastened before depressing the trigger and striking the ram.

The Model 472A Pneumatic Flooring Stapler has a safety trigger that prevents accidental operation if ram cap is hit while connected to power source. Squeeze safety lever to enable the tool. Releasing the safety lever re-engages the safety and renders the tool inoperable. To operate tool, depress safety trigger while tool is in position of use, and tap the ram cap with a minimal stroke from the hammer. If on the first initial operation a fastener does not eject into the flooring, repeat hammer blow. This will ensure that the driver blade/Piston is properly reset to allow the driver blade/piston to be in the correct position to drive the fastener.

METHODS OF OPERATION (continued)

DO NOT OVERPOWER THE TOOL—A 90lb static force will operate the tool. This is easily achieved by a tap of the Hammer. If the Flooring is warped or bowed, the ram can be hit firmly to tighten the flooring. Try to avoid this constant wear, as abusive blows by the hammer could damage tool and / or internal parts.

DO NOT HIT THE TOOL HARD

This tool is pneumatically powered and requires only actuation by depressing the safety trigger and tapping the ram head.

Note: The 472A Pneumatic Flooring Stapler will not drive a fastener if the ram cap is struck by hammer and the safety trigger is not depressed.

The 472A Pneumatic Flooring Stapler is user-friendly and following these simple instructions, will insure a very high quality hardwood flooring installation.

If the fastener is not properly seated, increase pressure incrementally until fastener is seated.

DO NOT EXCEED 100 PSI!

⚠ WARNING

- Keep your finger off the trigger except during fastening operation, because serious injury could result if the contact ram accidentally contacts you or others in the work area.
- Keep hands and body away from the discharge area. The tool may bounce from recoil of driving a fastener and unwanted subsequent fastener may be driven, possibly causing injury.
- Some types of loaded fasteners can spark out of the muzzle during a driving operation. Exercise caution!

INSTALLING TONGUE AND GROOVE FLOORING

Caution regarding use of this tool to install pre-finished flooring.

This tool was designed for use in installing unfinished hardwood flooring. It can be used to install pre-finished flooring when used with the pre-finish flooring accessory shoe; however, caution must be used to ensure that the finish is not damaged by the tool. In all flooring applications, it is recommended that the tool be tested on a sample section to be certain that the tool and technique of use do not leave marks on the finish. This procedure should be followed before each job due to variations in flooring and tool condition.

After squaring the floor and allowing for expansion as recommended by the Wood Flooring Industry (NWFA and MFMA), install felt vapor barrier and use chalk line to identify location of subfloor nails prior to racking wood to be installed. This will help prevent hitting subfloor nails which can cause damage to the driver blade and jamming. Place the grooved edge of the first row of flooring towards the wall on the side of the room from which you are starting.

Face nail first four (4) rows of flooring.

Place the groove of the fifth row of flooring over the tongue of the fourth row of flooring and tighten using the hammer. Position the nailer on the flooring; depress the safety trigger, and impact the ram head of the tool with the mallet to actuate the nailer.