

# **SPOTNAILS®**

## Operation, Maintenance and Safety Manual



**PLEASE READ!** This manual contains important information about product safety.

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## Important Information

Please take the time to read and understand all of this manual before operating or maintaining this pneumatic tool. This manual should be available for anyone who plans on operating the tool.



Improper use of this tool could result in serious injury or even death. Most accidents occur because of the failure to observe basic safety rules and precautions. Basic safety precautions are outlined in the "Warnings" section of this manual.



Please do not use this pneumatic tool for applications other than those specified on the carrying case.



## Warnings



### PERSONAL SAFETY ITEMS

1. Do not use tool prior to reading the manual.



2. Always wear eye protection that conforms to ANSI requirements and provides protection against flying particles both from the front and side. Eye protection should be worn by the operator and by others in the work area. Eye protection is required to protect against flying fasteners and debris that could possibly cause severe eye injury.

3. The employer is responsible to enforce the use of eye protection equipment by the tool operator and all other personnel in the work area.

4. To prevent accidental injuries:

- \* Handle the tool with care
- \* Always assume that the tool contains fasteners
- \* Never point the tool toward yourself or anyone else
- \* Never engage in horseplay
- \* Never hold or carry the tool with a finger on the trigger
- \* Never place a hand or any other part of the body in fastener discharge area of tool while the air supply is connected

## AIR SUPPLY AND CONNECTIONS



1. Use only clean, regulated compressed air as a power source for this tool. Do not use bottle gases, combustible gases or oxygen as a power source for the tool as the tool may explode.



2. Do not use air supply pressures that exceed 120 PSI (8.28 bar or 8.4 kg/mm<sup>2</sup>).



3. Do not exceed the recommended maximum operating air pressure as tool wear will be greatly increased. The air supply must be capable of maintaining the operating air pressure of the tool. Pressure drops in the air supply can reduce the tool's driving power.



4. Use a pressure regulator to allow visual inspection of the air pressure being delivered to the tool.

5. Use air hoses that have rated pressures of up to 150% of the maximum pressure that can be generated by the power source. The supply hose should contain a fitting that will provide quick disconnecting from the male plug on the tool.

6. Use quick connect fittings that allow the tool to be unhooked from the air supply quickly and easily.

7. Do not use fittings that will not allow the tool to exhaust when the air supply is disconnected.

## OPERATION OF THE TOOL



1. Never repair, adjust, clear a jam or store the tool with the air connected.

2. Never use the tool in proximity of flammable gases or liquids, as some tools will create sparks that can be an ignition source for a fire or explosion.

3. Always inspect the safety device for damage and proper operation, prior to operation.

4. Never assume the tool is empty of fasteners.



5. Never point the tool toward yourself or any other persons.

6. Never cycle the tool, unless it is in contact with the work-piece.

7. Never use the tool as a hammer or wedging device or drop to the floor from any height.

8. Always remove your finger from the trigger when pausing from cycling.

9. Never tamper with the safety device or use the tool if the safety device is not functioning properly.

10. Never use any fasteners that are not specified for use in the tool.

# Maintenance and Storage

## MAINTENANCE



1. Use air line lubricators. If lubricators are not available, or if hose lengths exceed 10 feet, add 2 drops of non-detergent 20 weight oil daily into the air inlet of the tool.
2. Whenever repairs or replacement of parts inside the body occur, check the piston "o" ring for adequate grease lubrication.
3. Never use any parts other than genuine Spotnails replacement parts.
4. Periodically clean the magazine and nose of the tool with a mild solvent.

## STORAGE

1. Never store the tool in cold weather environments for any duration of time as any frost or ice formation in the tool will cause tool failures.
2. For prolonged storage, add two drops of oil to the air inlet of the tool prior to discontinuing use. Also clean the exterior of the tool with a mild solvent.



# Warranty

## WARRANTY ITEMS

1. Warranty for cap assemblies, castings and housing castings is one year.
2. Warranty for bumpers, "o" rings, driver blades and piston rings is not applicable as they are normal wearing parts whose life is dependant on application.
3. Warranty for all other parts is 90 days.

## WARRANTY CONDITIONS

1. The beginning date in which the warranty is in force is the date of purchase.
2. The warranty is not transferable.
3. The warranty is voided by any of the following:
  - a. Abuse, misuse or damage to the tool.
  - b. Use of parts other than genuine Spotnails parts.
  - c. Use of fasteners not designated for use in the tool.
  - d. Modifications to the tool that alter the original function or intent of use of the tool by anyone other than Spotnails.
4. Spotnails retains the right to replace or repair any warranty items it deems necessary.



## Operation of the Tool

1. Read operation, maintenance and safety manual.
2. Read warning label(s) on the tool.
3. Visually inspect the tool for worn or damaged parts.
4. Wear appropriate eye and ear protection.
5. Install a male, pneumatic fitting into the rear cap of the tool, ensuring that the fitting allows the tool to exhaust any air in the tool when the air hose is disconnected.
6. Add two drops of non-detergent, 20-weight oil into the male fitting.
7. Connect the air hose, using a quick connect fitting to the tool and check the air pressure reading on the regulator to ensure it does not exceed 120 PSI. Check the tool for any air leaks.
8. Place the tool, empty of fasteners, in operating position on a scrap work piece. Fully depress the safety and pull the trigger to verify that the tool cycles.
9. Using the following cycle guidelines, cycle the tool several times to check for proper tool operation:

Sequential-The tool will not cycle a second time unless both the trigger and safety yoke are fully released and then depressed again.

**Restrictive-**The tool will not cycle a second time if the safety yoke is released (no "bounce-firing"). The tool will fire each time the trigger is pulled as long as the safety yoke remains fully engaged.

**Normal-**The tool will continue to cycle by keeping the trigger pulled and bouncing the tool across the work piece.

10. Open the canister or slide the pusher to the locked position and load the fasteners approved for the use in the tool.
11. Cycle the tool on a scrap work piece to evaluate the depth of penetration by the fastener into the work piece.
12. To adjust the depth of penetration, regulate the air pressure at the regulator and/or disconnect the air hose, adjust the depth control knob or screw, connect the air hose and cycle the tool on a scrap work piece to evaluate the adjustment.
13. Repeat step 12 as needed to set the correct depth, using the minimum amount of air pressure to drive the fastener.
14. Disconnect the tool from the power source when:
  - \* Unattended
  - \* Performing any maintenance or repair
  - \* Clearing a jam
  - \* Moving the tool to a new location

## Troubleshooting

**Problem:****Correction:**

- |   |  |
|---|--|
| 1. Tool operates, but no fasteners are driven.          | Check magazine for proper fasteners. Fasteners should slide freely in and out of magazine.   |
| 2. Cap leaks air.                                       | Tighten cap screws.  |
| 3. Fasteners jam in nose of tool.                       | Remove fasteners from magazine.<br>Open quick-clear nose (if applicable), remove jammed fastener and close latch.<br>Load tool again.  |
| 4. Weak drive   | Check to make sure there is adequate air supply.   |
| 5. Skipping fasteners                                   | Replace bumper if worn.<br>Use only recommended fastener sizes.<br>Replace magazine if worn.<br>Check air supply as it may be too low. |
| 6. Fasteners will not drive completely into work piece. | Increase air pressure (do not exceed 120 PSI).   |

Please contact customer service for technical support if you have any other problems: **800-873-2239**

Take notice to the schematic diagram included  
in this manual.

Please contact customer service to place an  
order for replacement parts.

800-873-2239

Check out our web site at **www.spotnails.com**  
to browse through the rest of our tool line and  
fasteners.

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