

US Patent 6,314,862

Pneumatic Vinyl Fence Notchers Users Manual

**Read this manual.
Important warranty information below.**

WARRANTY

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This product carries a limited lifetime warranty. Product must be returned to manufacturer for warranty determination. Call 1-800-782-4659 for return authorization and shipping instructions. Warranty does not cover any damage to this product as a result of failure to operate or maintain product as instructed in this Users Manual. Warranty does not cover any damage to this product as a result of its misuse or abuse, nor does it cover wear, dullness, or damage to cutting head resulting from misuse, abuse, extensive use, or attempts to re-sharpen or modify.

If product breakage or malfunction is determined by manufacturer to be a result of a manufacturing defect, product will be replaced or repaired at manufacturer's determination and returned to user at no charge.

If product breakage or malfunction is determined by manufacturer to NOT be a result of a manufacturing defect, user will receive "warranty void" notification and manufacturer will repair malfunction at user's cost or return ship unrepaired product to user at user's cost.

Return to:
Tool and Die Division
MIDWEST TOOL AND CUTLERY COMPANY
4985 Marion - Mt. Gilead Road
Caledonia, Ohio 43314

User Note: Be certain to include contact and return shipment address with product return.

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Midwest Tool & Cutlery Co. • PO Box 160 • 1210 Progress Street • Sturgis, Michigan 49091 • midwest@midwestsnips.com • www.midwestsnips.com

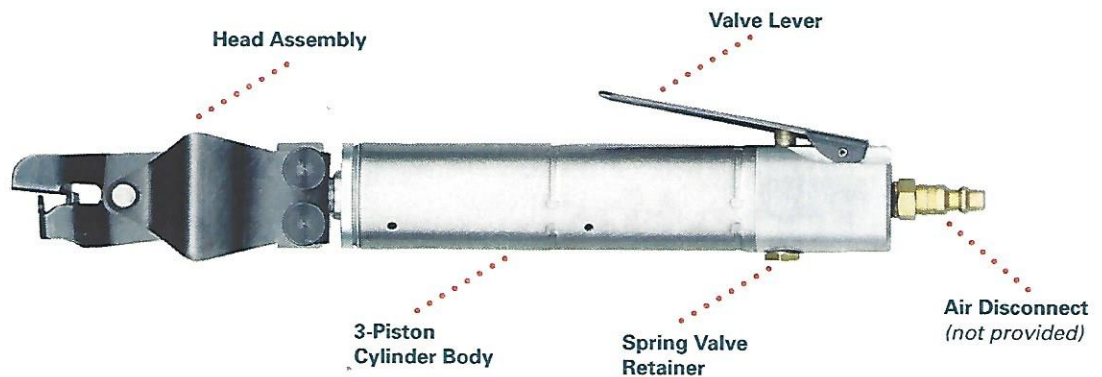


CAUTION
PINCH POINT

Moving parts can cut or crush.

Keep hands clear while operating.

Disconnect air hose from tool before servicing.



Safety Information

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CAUTION indicates a potentially hazardous situation which, if not avoided, could result in minor or moderate injury.

Do not use any type of flammable gases or oxygen as a power source for the tool. Use ONLY filtered, lubricated, regulated compressed air.

Always wear ANSI approved Z87 safety glasses with side shields when operating this tool.

Never use gasoline or other flammable liquids to clean the tool.

Disconnect air hose from the tool before servicing, adjusting or replacing component parts.

Hold tool by the cylinder and keep valve lever mechanism from contacting objects or parts of the body when connecting or disconnecting air supply.

This tool is for use with vinyl material at room temperature only and is not to be used on glass or other material that might shatter.

Keep your hands and body away from the head assembly working mechanism of the tool. Personal injury could occur.

Handle the tool carefully. Respect the tool as a working implement and always assume the tool is powered and is ready to operate.

1. Never use the tool as a toy and engage in horseplay.
2. Never aim, point or touch anyone with the tool
3. Never depress the operating lever unless material is in place ready to be notched.

The safety warning labels on the tool must be replaced if they are damaged, removed or not legible.

Maintenance

CAUTION: Do not store the tool in a cold/wet environment. Frost, freezing or ice can form on the operating valves or mechanisms and the tool may not operate correctly.

Disconnect air supply from the tool before servicing, adjusting or replacing component parts.

NOTE: Proper lubrication is the owner's responsibility. Failure to lubricate the tool properly will dramatically shorten the life of the tool and void the warranty.

If the tool is operated without lubricated compressed air, it is recommended that a non-detergent, mineral-based oil, one or two drops, can be directly introduced into the air disconnect periodically.

Use compressed air to blow out any vinyl shavings that may be present in the rod tip and bearing area daily.

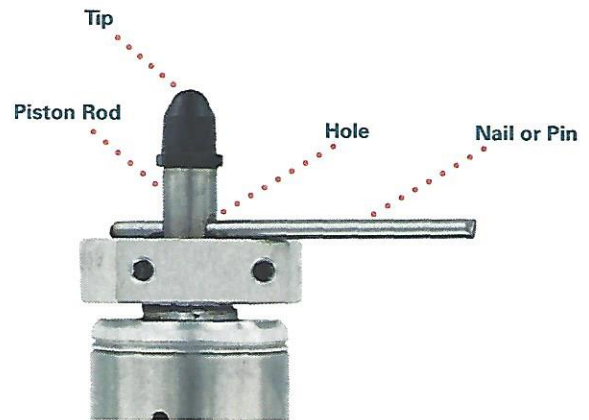
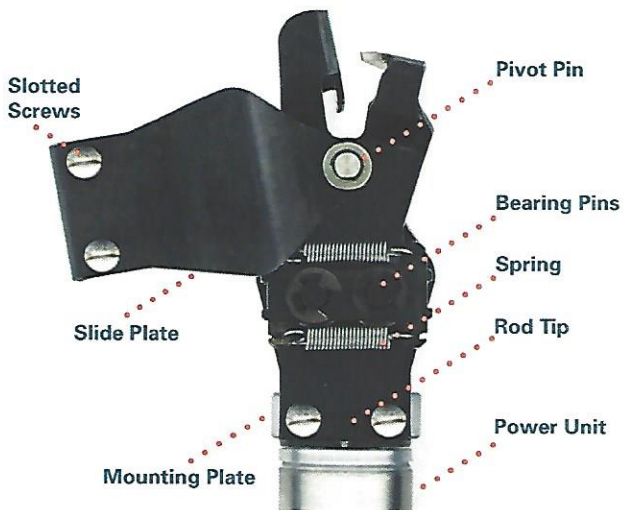
Disconnect air supply before manually lubricating. In a high-production environment, the bearings and pivot pin, in the head assembly, should be lubricated daily with a multi-purpose oil.

The valve spring retainer is spring loaded. Use caution when removing from tool.

Use non-flammable liquids to clean the tool.

Always protect the tool to keep dust, sand or other foreign materials from entering the cylinder and valve assembly areas.

Replacement Head Assembly Instructions



REPLACING HEAD ASSEMBLY

1. Disconnect the Pneumatic Notcher from air supply. Unscrew the four (4) slotted screws from the old head assembly and remove. Note: See instructions for replacing rod tip.
 2. To connect the new head assembly, line up holes in mounting plates of the Notcher's power unit with holes in side plates of the head assembly and screw in one (1) of the slotted screws.
 3. Rotate the opposite side plate, as shown, to view the position of the bearing pins in relationship to the tip.
 4. Make sure the tip is between the two bearing pins, as shown. If it is not in the correct position, remove the slotted screw and reposition, then repeat step 2.
 5. After rotating side plate back into position, secure the remaining three slotted screws into side plates.
- Note: In a high-production environment, the bearings and pivot pin should be lubricated daily with a multi-purpose oil.

REPLACING SPRINGS

1. With side plates rotated back, remove old springs from bearing pins on either side of notcher.
2. Replace with new springs by slipping spring loops onto bearing pins. Make sure to seat spring loops in grooves on the bearing pins.

Operation

Operate tool with clean, dry, filtered air and air tool oil (available at hardware stores), regulated to 90 PSI pressure maximum.

Always wear ANSI approved Z87 safety glasses with side shields when operating this tool.

Disconnect air supply from the tool before servicing, adjusting or replacing component parts.

Hold tool by the cylinder and keep valve lever mechanism from contacting objects or parts of the body when connecting or disconnecting air supply.

Note: Not designed for use with cold extruded fencing.

REPLACING TIP ON PISTON ROD

1. Follow instructions for removing head.
2. With head off, and air back on, push trigger and the piston rod with the tip will extend out.
3. Place a nail or pin through the hole and release air, disconnect air hose.
4. Grasp nail on either side of piston rod and hold so it will not twist.
5. Unscrew tip using 1/2" wrench. Remember, hold onto nail so piston rod does not twist. Twisting may cause serious internal damage to your Notcher.
6. After tip is unscrewed, screw replacement tip in.
7. Remove nail.
8. Follow instructions for replacing head.

USER INSTRUCTIONS

1. Slide the pneumatic notcher head over the end of the vinyl fence piece to be notched. The "punch" on the notcher head should be inside the vinyl fence section.
2. Position the tool and depress the valve lever to form snap-lock tab. The valve lever may have to be held in the fully depressed position for 1 to 2 seconds depending on the elasticity of the material.
3. Completely release the valve lever.
4. Remove the notching tool from the material being notched. It is generally easier to "swing" the tool out so that the punch comes out of the tab it just created.

Specifications

Model No.	Tab Size	Throat Depth	Capacity Vinyl Thickness	Replacement Head Model No.
MW-1/4VFNPI	1/4"(6.35mm)	3/8"(9.53mm)	0.075"(1.905mm)	MW-1/4VFNPIH
MW-1/4VFNPIH	1/4"(6.35mm)	7/8"(22.23mm)	0.075"(1.905mm)	MW-1/4VFNPIH
MW-1/2VFNPI	1/2"(12.7mm)	7/8"(22.23mm)	0.090"(2.286mm)	MW-1/2VFNPIH
MW-3/4VFNPI	3/4"(19.05mm)	1-3/16"(30.17mm)	0.150"(3.81mm)	MW-3/4VFNPIH

**Replacement Jaws Only*



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