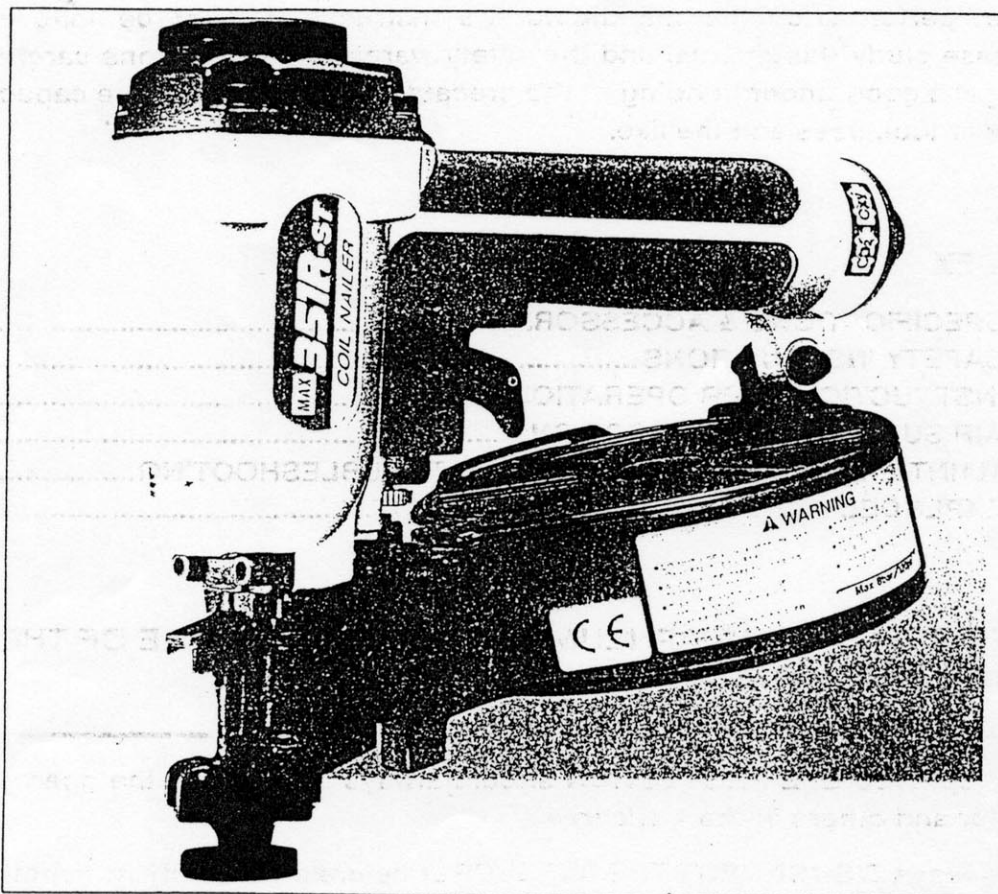


MAX

Model **CN351**

PNEUMATIC COIL NAILER



OPERATING and MAINTENANCE MANUAL

▲ WARNING:

BEFORE USING THIS TOOL, STUDY THIS MANUAL TO ENSURE SAFETY WARNING AND INSTRUCTIONS.

KEEP THESE INSTRUCTIONS WITH THE TOOL FOR FUTURE REFERENCE.

INTRODUCTIONS

The MAX CN351 is precision-built tool, designed for high speed, high volume fastening. These tools will deliver efficient, dependable service when used correctly and with care. As with any fine power tool, for the best performance the manufacturer's instructions must be followed. Please study this manual and the safety warnings and cautions carefully to get a good understanding of the precautions in operation, the capacity power tool, uses and the like.

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BEFORE USING ANY PNEUMATIC NAILER BE AWARE OF THE FOLLOWING WARNINGS:

Approved EYE PROTECTION should always be worn by the operator and others in the work area.

Always DISCONNECT THE AIR SUPPLY before making adjustments, servicing the tool or clearing jams, and when tool is not in use.

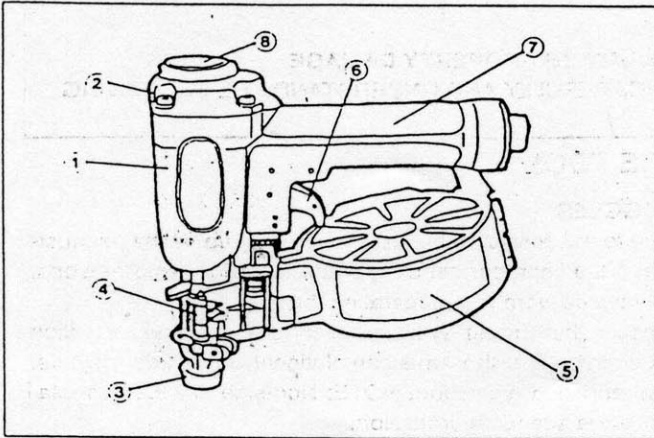
NEVER place a hand or any other part of body in staple discharge area of the tool while air supply is connected.

DO NOT USE oxygen or combustible gases as a power source for this tool.

EAR PROTECTION may be required in some environments.

1.SPECIFICATIONS AND TECHNICAL DATA

1-1.NAME OF PART



- ① Frame
- ② Cylinder cap
- ③ Contact arm
- ④ Nose
- ⑤ Magazine
- ⑥ Trigger
- ⑦ Grip
- ⑧ Exhaust cover

1-2.TOOL SPECIFICATIONS

Height	224 mm
Width	126 mm
Length	228 mm
Weight	1.3 kg
Recommended operating air pressure	5 to 7 bar (70 to 100 psi)
Loading capacity	200 nails
Air consumption	1.18 lit. at 6 bar operating pressure
Accessories	Hex. bar wrench

1-3.FASTENER SPECIFICATIONS

Nail length	25 - 40 mm
Shank diameter	2.1 - 2.8 mm
	smooth, ring

TOOL AIR FITTINGS :

This tool uses a 1/4" N.P.T. male plug. The inside diameter should be 7 mm (0.28") or larger.

RECOMMENDED OPERATING PRESSURE :

5 to 7 bar (70 to 100 p.s.i.). Select the operating air pressure within this range for best fastener performance.
DO NOT EXCEED 8 bar (120 p.s.i.)

1-4. TECHNICAL DATA

● NOISE

A-weighted single event : LpA, Is, d 97.22
sound power level

A-weighted single event : LpA, Is, d 89.94
emission sound pressure
level at work station

● VIBRATION

Vibration characteristic value = 3.44 m/s²

These values are determined and documented in accordance to CEN/TC 255 WG1 N47.3E.

This value is a tool-related characteristic value and does not represent the influence to the hand-arm-system when using the tool. An influence to the hand-arm-system when using the tool will for example depend on the gripping force, the contact pressure force, the working direction, the adjustment of mains supply, the work piece, the work piece support.

2. SAFETY INSTRUCTIONS

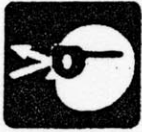
▲ WARNING:
TO AVOID SEVERE PERSONAL INJURY OR PROPERTY DAMAGE
BEFORE USING THE TOOL, READ CAREFULLY AND UNDERSTAND THE FOLLOWING
"SAFETY INSTRUCTIONS":

PRECAUTIONS ON USING THE TOOL

1. WEAR SAFETY GLASSES OR GOGGLES

Danger to the eyes always exists due to the possibility of dust being blown up by the exhausted air or of a fastener flying up due to the improper handling of the tool. For these reasons, safety glasses or goggles should always be worn when operating the tool.

The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of the American National Standards Institute, ANSI Z87.1 and provide both frontal and side protection. NOTE: Non-side shielded spectacles and face shields alone do not provide adequate protection.



2. EAR PROTECTION MAY BE REQUIRED IN SOME ENVIRONMENTS

As the working condition may include exposure to high noise levels which can lead to hearing damage, the employer and user should ensure that any necessary hearing protection is provided and used by the operator and others in the work area.



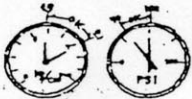
3. DO NOT USE ANY POWER SOURCE EXCEPT AN AIR COMPRESSOR

The tool is designed to operate on compressed air. Do not operate the tool on any other high-pressure gas, combustible gases (e.g., oxygen, acetylene, etc.) since there is the danger of an explosion. For this reason, absolutely do not use anything other than an air compressor to operate the tool.



4. OPERATE WITHIN THE PROPER AIR PRESSURE RANGE

The tool is designed to operate within an air pressure range of 70 to 100 p.s.i. (4.9 to 7.1 kg/cm².) The pressure should be adjusted to the type of work being nailed. The tool should never be operated when the operating pressure exceeds 114 p.s.i. (8 kg/cm².)



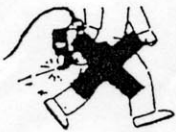
5. DO NOT OPERATE THE TOOL NEAR A FLAMMABLE SUBSTANCE

Never operate the tool near a flammable substance (e.g., thinner, gasoline, etc.). Volatile fumes from these substances could be drawn into the compressor and compressed together with the air and this could result in an explosion.



6. DO NOT USE A WRONG FITTINGS

The connector on the tool must not hold pressure when air supply is disconnected. If a wrong fitting is used, the tool can remain charged with air after disconnecting and thus will be able to drive a fastener even after the air line is disconnected, possibly causing injury.



7. DISCONNECT THE AIR SUPPLY WHEN THE TOOL IS NOT IN USE

Always disconnect the air supply from the tool when operation has been completed or suspended, when moving to a different work area, adjusting, disassembling, or repairing the tool, and when clearing a jammed fastener.



8. INSPECT SCREW TIGHTNESS

Loose or improperly installed screws or bolts cause accidents and tool damage when the tool is put into operation. Inspect to confirm that all screws and bolts are tight and properly installed prior to operating the tool.



9. DO NOT TOUCH THE TRIGGER UNLESS YOU INTEND TO DRIVE A FASTENER

Whenever the air supply is connected to the tool, never touch the trigger unless you intend to drive a fastener into the work. It is dangerous to walk around carrying the tool with the trigger pulled, and this and similar actions should be avoided.



10. NEVER POINT THE DISCHARGE OUTLET TOWARD PEOPLE

If the discharge outlet is pointed toward people, serious accidents may be caused when mis-firing. Be sure the discharge outlet is not pointed toward people when connecting and disconnecting the hose, loading the fasteners or similar operations.



11. USE SPECIFIED FASTENERS (SEE PAGE 3)

The use of fasteners other than specified fasteners will cause the tool malfunction. Be sure to use only specified fasteners when operating the tool.

12. PLACE THE DISCHARGE OUTLET TO THE WORK PROPERLY

Failure to place the discharge outlet in a proper manner can result in a fastener flying up and is extremely dangerous.



13. KEEP HANDS AND BODY AWAY FROM THE DISCHARGE OUTLET

When loading and using the tool, never place a hand or any part of body in fastener discharge area of the tool. It is very dangerous to hit the hands or body by mistake.



14. DO NOT DRIVE FASTENERS CLOSE TO THE EDGE OF THE WORK AND THIN MATERIAL

The workpiece is likely to split and the fastener could fly free and hit someone. Be careful when fastening thin material or near the edges and corners of the work piece.



15. DO NOT DRIVE FASTENERS ON THE TOP OF OTHER FASTENERS

Driving fasteners on the top of other fasteners may cause deflection fasteners which could cause injury.

16. REMOVING THE FASTENERS AFTER COMPLETING OPERATION

If fasteners are left in the magazine after the completion of operation, there is the danger of a serious accident occurring prior to the resumption of operation, should the tool be handled carelessly; or when connecting the air fitting. For this reason, always remove all fasteners remaining in the magazine after completion of the operation.

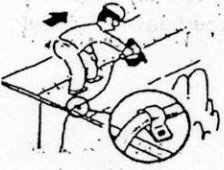
17. CHECK OPERATION OF THE CONTACT TRIP MECHANISM FREQUENTLY IN CASE OF USING A CONTACT TRIP TYPE TOOL

Do not use the tool if the trip is not working correctly as accidental driving of a fastener may result. Do not interfere with the proper operation of the contact trip mechanism.

18. WHEN USING THE TOOL OUTSIDE OR ELEVATED PLACE

When fastening roofs or similar slanted surface, start fastening at the lower part and gradually work your way up. Fastening backward is dangerous as you may lose your foot place.

Secure the hose at a point close to the area you are going to drive fasteners. Accidents may be caused due to the hose being pulled inadvertently or getting caught.

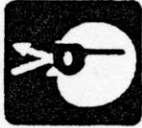


OBSERVE THE FOLLOWING GENERAL CAUTION IN ADDITION TO THE OTHER WARNINGS CONTAINED IN THIS MANUAL

- Do not use the tool as a hammer.
- Always carry the tool by handle, never carry the tool by the air hose.
- The tool must be used only for the purpose it was designed.
- Never clamp the trigger in locked operation position.
- Keep the tool in a dry place out of reach of children when not in use.
- Do not use the tool without Safety Warning label.
- Do not modify the tool from original design or function without approval by MAX CO., LTD.

3. INSTRUCTIONS FOR OPERATION

▲ WARNING:

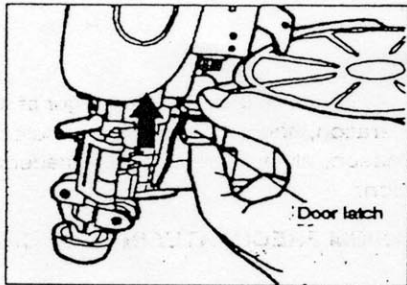


EYE PROTECTION which conforms to ANSI specifications and provides protection against flying particles both from the front and side should always be worn by the operator and others in the work area when loading, operating or servicing the tool. Eye protection is required to guard against flying fasteners and debris, which could cause severe eye injury.

The employer and/or user must ensure that proper eye protection is worn. Eye protection equipment must conform to the requirements of the American National Standards Institute, ANSI Z87.1 and provide both frontal and side protection. **NOTE: Non-side shield spectacles and face shield alone do not provide adequate protection.**

▲ WARNING:

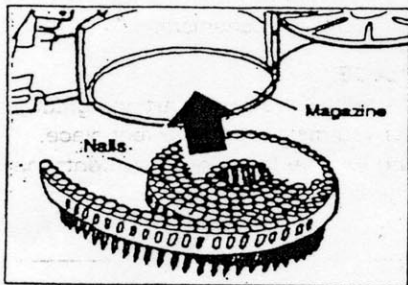
Always disconnect the air supply from the tool when operation has been completed or suspended, when moving to a different work area, adjusting, disassembling, or repairing the tool, and when clearing a jammed fastener.



LOADING A COIL OF NAILS

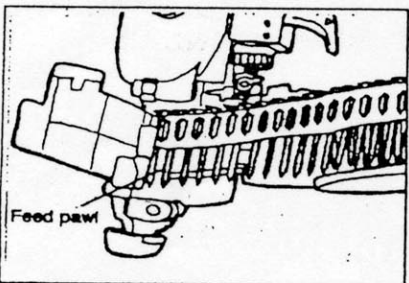
① Open the magazine.

Hold door and door latch by fingers and pull up door latch. Swing door open. Swing magazine cover open.



② Load the coil of nails

Place a coil of nails inside the magazine. Uncoil enough nails to reach the feed pawl, and place the first nail between the teeth of the feed pawl. The nail heads fit in slot on nose.



③ Swing magazine cover closed.

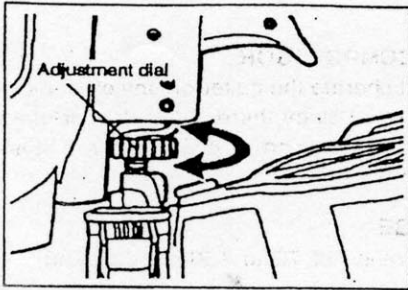
④ Close the door.

Pulling up the door latch and swing door closed. Check that latch engages. (If it does not engage, check that the nail heads are in slot on nose).

▲ WARNING:

Keep hands and body away from the discharge outlet when driving the fasteners because of dangerous of hitting the hands or body by mistake.



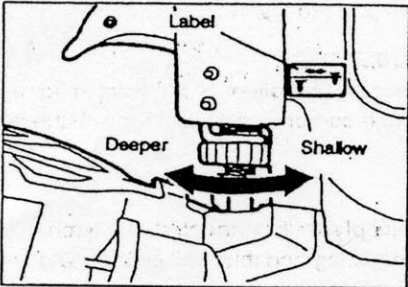


DRIVING DEPTH ADJUSTMENT DIAL

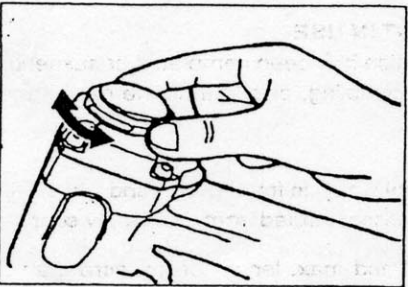
▲ WARNING:

ALWAYS disconnect air supply before adjusting adjustment dial

- ① With air pressure set, drive a few nails into a representative material sample to determine if adjustment is necessary.
- ② If adjustment is required, disconnect air supply.
- ③ Refer to the label on frame for direction to turn the adjustment dial.



- ④ Reconnect air supply.

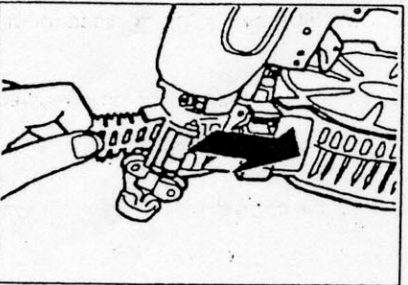


DIRECTIONAL EXHAUST COVER

▲ WARNING:

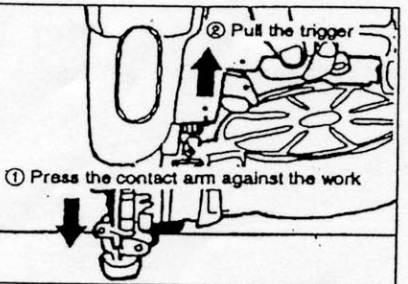
ALWAYS disconnect air supply before rotating the exhaust cover.

Direction of the exhaust air is changeable by rotating exhaust cover by hand.



HOW TO REMOVE PLASTIC SHEET

As nails are driven the plastic sheet will feed out of the tool. When sufficient strip has been fed out it can be torn away by pulling against the tear edge in nose.



SEQUENTIAL TRIP

The sequential trip requires the operator to hold the tool against the work before pulling the trigger. The sequential trip allows exact fastener location without the possibility of driving a second fastener on recoil.

The sequential trip tool has a positive safety advantage because it will not accidentally drive a fastener if the tool is contacted against the work—or anything else—while the operator is holding the trigger pulled.

▲ WARNING:

4. AIR SUPPLY AND CONNECTIONS



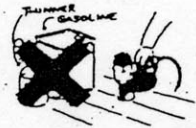
DO NOT USE ANY POWER SOURCE EXCEPT AN AIR COMPRESSOR

The nailer is designed to operate on compressed air. Do not operate the nailer on any other high-pressure gas, combustible gases (e.g., oxygen, acetylene, etc.) since there is the danger of an explosion. For this reason, absolutely do not use anything other than an air compressor to operate the nailer.



OPERATE WITHIN THE PROPER AIR PRESSURE RANGE

The nailer is designed to operate within an air pressure range of 70 to 100 p.s.i. (4.9 to 7.1 kg/cm².) The pressure should be adjusted to the type of the work being nailed. The nailer should never be operated when the operating pressure exceeds 114 p.s.i. (8 kg/cm².)



DO NOT OPERATE THE TOOL NEAR A FLAMMABLE SUBSTANCE

Never operate the tool near a flammable substance (e.g., thinner, gasoline, etc.) Volatile fumes from these substances could be drawn into the compressor and compressed together with the air and this could result in an explosion.

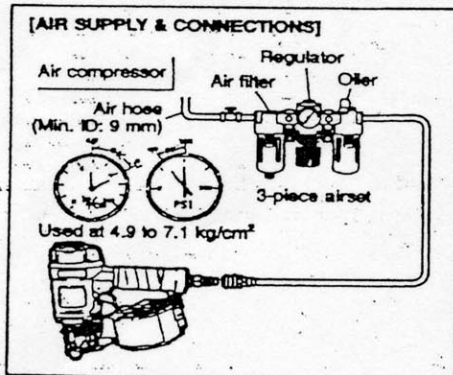
DO NOT USE A WRONG FITTINGS

The connector on the tool must not hold pressure when air supply is disconnected. If a wrong fitting is used, the tool can remain charged with air after disconnecting and thus will be able to drive a fastener even after the air line is disconnected, possibly causing injury.



DISCONNECT THE AIR CHUCK WHEN THE TOOL IS NOT IN USE

Always disconnect the air chuck from the nailer when operation has been completed or suspended, when moving to a different work area, adjusting, disassembling, or repairing the nailer, and when clearing a jammed nail.



FITTINGS: 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.

HOSES: Hose has a min. ID of 6 mm and max. length of no more than 5 meters.

The supply hose should contain a fitting that will provide "quick disconnecting" from the male plug on the tool.

SUPPLY SOURCE: Use only clean regulated compressed air as a power source for the tool.

3-PIECE AIRSET (Air filter, Regulator, Oiler):

Refer to TOOL SPECIFICATIONS for setting the correct operating pressure for the tool.

NOTE:

A filter will help to get the best performance and minimum wear from the tool because dirt and water in the air supply are major causes of wear in the tool.

Frequent, but not excessive, lubrication is required for the best performance. Oil added thru the air line connection will lubricate the internal parts.