

Operator's Manual



CP9160 **Engraving pen**



⚠ WARNING

To reduce risk of injury, everyone using, installing, repairing, maintaining, changing accessories on, or working near this tool must read and understand these instructions before performing any such task.

INSTRUCTION MANUAL

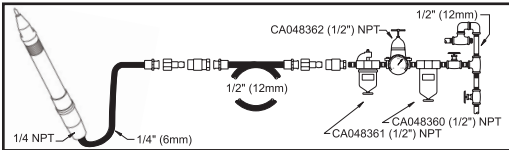
Machine Type:

Engraving pen - No other use is permitted

Air Supply Requirements

1. Supply tool with 90 psig (6.3 bar) of clean, dry air. Higher pressure drastically reduces tool life.
2. Connect tool to air line using pipe, hose and fitting sizes shown in the diagram below.
3. Do not install a quick coupler directly into the grinder throttle handle.

Lubrication



Use an air line lubricator with SAE #10 oil, adjusted to two drops per minute. If an air line lubricator cannot be used, add air motor oil to the inlet once a day.

Maintenance

1. Disassemble and inspect tool every three months if the tool is used every day. Replace damaged or worn parts.
2. High wear parts are underlined in the parts list.
3. To keep downtime to a minimum, the following service kits are recommended:
Tune-Up Kit: 2050506913

Technical Data

32 400 BPM

Air consumption: 1.7 cfm (0.8 l/s)

Air pressure 90 psi (6.3 bar)

Original Instructions

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Noise & Vibration Declaration*

Sound pressure level

59 dB(A)

uncertainty 3 dB(A), in accordance with EN ISO 15744. For sound power, add 11 dB(A).

Vibration value

a=8.1 m/s² uncertainty k=1.9 m/s², re. ISO 28927-9

Declaration of noise and vibration emission

All values are current as of the date of this publication.

These declared values were obtained by laboratory type testing in accordance with the stated standards and are suitable for comparison with the declared values of other tools tested in accordance with the same standards. These declared values are not adequate for use in risk assessments and values measured in individual work places may be higher. The actual exposure values and risk of harm experienced by an individual user are unique and depend upon the way the user works, the workpiece and the workstation design, as well upon the exposure time and the physical condition of the user. We, Chicago Pneumatic, cannot be held liable for the consequences of using the declared values, instead of values reflecting the actual exposure, in an individual risk assessment in a work place situation over which we have no control.

This tool may cause hand-arm vibration syndrome if its use is not adequately managed.

We recommend a programme of health surveillance to detect early symptoms which may relate to noise or vibration exposure, so that management procedures can be modified to help prevent future impairment.



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SAFETY INSTRUCTIONS

• DO NOT DISCARD - GIVE TO USER

- Our goal is to produce tools that help you work safely and efficiently. The most important safety device for this or any tool is YOU. Your care and good judgement are the best protection against injury. All possible hazards cannot be covered here, but we have tried to highlight some of the important ones.
- Only qualified and trained operators should install, adjust or use this power tool.
- This tool and its accessories must not be modified in any way.
- Do not use this tool if it has been damaged.
- If the rated speed, operating pressure or hazard warning signs on the tool cease to be legible or become detached, replace without delay.

▲ Air supply and connection hazards

- Air under pressure can cause severe injury.
- Always shut off air supply, drain hose of air pressure and disconnect tool from air supply when not in use, before changing accessories or when making repairs.
- Never direct air at yourself or anyone else.
- Whipping hoses can cause severe injury. Always check for damaged or loose hoses and fittings.
- Do not use quick disconnect couplings at tool. Use hardened steel (or material with comparable shock resistance) threaded hose fittings. See instructions for correct setup.
- Whenever universal twist couplings are used, lock pins must be installed.
- Do not exceed maximum air pressure of 90 psi/6.3 bar or as stated on tool nameplate.

▲ Projectile hazards

- Always shut off air supply, drain hose of air pressure and disconnect tool from air supply when not in use, before changing accessories or when making repairs.
- Failure of the accessory or abrasive, or of the workpiece, can generate high-velocity projectiles. Even small projectiles can injure eyes and cause blindness.
- Always wear impact-resistant eye and face protection when involved with or near the operation, repair or maintenance of the tool or changing accessories on the tool.
- Be sure all others in the area are wearing impact-resistant eye and face protection.
- Never operate a tool unless the accessory is retained in the tool with a proper retainer (see parts list).
- To avoid injury, retainer parts must be replaced when they become worn, cracked or distorted.
- On overhead work, wear a safety helmet.
- Ensure that the workpiece is securely fixed.
- Hold the accessory firmly against the work surface before starting the tool.

▲ Operating hazards

- Use of the tool can expose the operator's hands to hazards, including impacts, cuts and abrasions and heat. Wear suitable gloves to protect the hands.
- Avoid direct contact with accessory and work surface during and after work as they become heated and sharp.
- Operators and maintenance personnel must be physically able to handle the bulk, weight and power of the tool.
- Hold the tool correctly: be ready to counteract normal or sudden movements – have both hands available.

▲ Accessory hazards

- Never use any chisel as a hand struck tool. They are specifically designed and heat-treated to be used only in air hammers.
- Select the correct shank and retainer for the tool being used.
- Never use dull accessories as they require excessive pressure and can break from fatigue.
- Never cool a hot accessory in water. Brittleness and early failure can result.
- Use only recommended sizes and types of accessories and consumables.
- Accessory breakage or tool damage may result from prizing. Take smaller bites to avoid getting stuck.

▲ Repetitive motion hazards

- When using a power tool to perform work-related activities, the operator might experience discomfort in the hands, arms, shoulders, neck, or other parts of the body.
- Adopt a comfortable posture whilst maintaining secure footing and avoiding awkward or off-balance postures. Changing posture during extended tasks can help avoid discomfort and fatigue.
- Do not ignore symptoms such as persistent or recurring discomfort, pain, throbbing, aching, tingling, numbness, burning sensation, or stiffness. Stop using the tool, tell your employer and consult a physician.

▲ Noise and vibration hazards

- High sound levels can cause permanent hearing loss and other problems such as tinnitus. Use hearing protection as recommended by your employer or occupational health and safety regulations.
- Exposure to vibration can cause disabling damage to the nerves and blood supply of the hands and arms. Wear warm clothing and keep your hands warm and dry. If numbness, tingling, pain or whitening of the skin occurs, stop using tool, tell your employer and consult a physician.
- Hold the tool in a light but safe grip because the risk from vibration is generally greater when the grip force is higher. Where possible support the weight of the tool with a balancer.
- To prevent unnecessary increases in noise and vibration levels:
 - Operate and maintain the tool, and select, maintain and replace the accessories and consumables, in accordance with this instruction manual;
 - Never use a blunt accessory.

▲ Workplace hazards

- Slip/Trip/Fall is a major cause of serious injury or death. Be aware of excess hose left on the walking or work surface.
- Avoid inhaling dust or fumes or handling debris from the work process which can cause ill health (for example, cancer, birth defects, asthma and/or dermatitis). Use dust extraction and wear respiratory protective equipment when working with materials which produce airborne

particles.

- Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. Some examples of these chemicals are:
 - Lead from lead based paints
 - Crystalline silica bricks and cement and other masonry products
 - Arsenic and chromium from chemically-treated rubber
- Your risk from these exposures varies, depending on how often you do

this type of work.

- To reduce your exposure to these chemicals: work in a well ventilated area, and work with approved safety equipment, such as dust masks that are specially designed to filter out microscopic particles.
- Proceed with care in unfamiliar surroundings. Hidden hazards may exist, such as electricity or other utility lines.
- This tool is not intended for use in potentially explosive atmospheres and is not insulated from coming into contact with electric power.

(4) declare that the product(s):

PNEUMATIC ENGRAVING PEN

(5) Machine type(s) :

CP9160**Serial No:**

From 00001 to 99999

(6) Origin of the product : Sweden

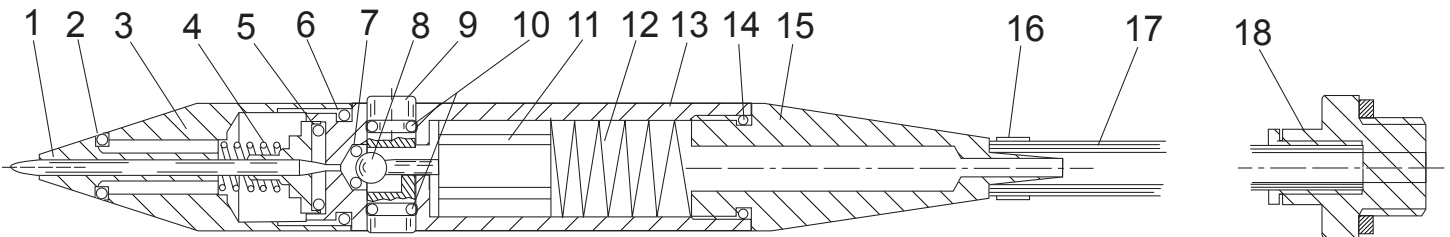
(7) is in conformity with the requirements of the council Directives on the approximation of the laws of the Member States relating :

(8) to **"Machinery"** 2006/42/EC (17/05/2006)

(11) applicable harmonised standard(s) : EN ISO 11148-4:2010

(12) NAME and POSITION of issuer :

Bruno BLANCHET
(General Manager)(13) Place & Date : Saint-Herblain, **07/02/2011**

CP9160
Engraving pen

Item No.	Part No.	Description	Qty
1	2050489543	Engraving needle, medium	1
2	2050489553	O-ring 5,6 x 2,0	1
3	2050489563	Front section	1
4	2050489573	Spring, front	1
5	2050489583	O-ring 7,66 x 1,78	1
6	2050489593	O-ring 12,1 x 1,6	1
7	2050489603	O-ring 2,5 x 1,8	1
8	2050489613	Valve ball	1
9	2050489623	Valve piston	1
10	2050489633	O-ring 3,1 x 1,6	2

Item No.	Part No.	Description	Qty
11	2050489643	Ball guide	1
12	2050489653	Spring, rear	1
13	2050489663	Housing	1
14	2050489693	O-ring 11,1 x 1,6	1
15	2050489703	Rear section	1
16	2050489713	Hose clamp	1
17	2050489723	Hose, black	1
18	2050489733	Hose connector, 1/4" R	1
	6158727980	Warning Label (not shown)	1

	2050545683	OPERATOR'S MANUAL
	2050545693	EC DECLARATION
	6159948780	SAFETY INSTRUCTIONS

Tune-up kit CP9160

2050506913 (incl: Nos. 2, 5, 6, 7, 10, 14)