

# Operator's Manual



## CP7115 & CP7125 Needle Scaler



### **⚠ 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. Safety instructions: 6159948780

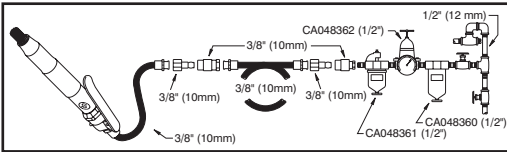
## INSTRUCTION MANUAL

### Machine Type:

Pneumatic tool with needles - 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.



### 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.

### Operation

For Needle Scaler

1. Remove worn needles from holder and replace with new needles, making sure the needle heads fit into the countersunk holes in needle holder.
2. Slide needles through spring and front nosepiece. Check that driver is not damaged and placed inside housing correctly.
3. Lubricate entire needle assembly with a light coating of oil.

### 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:** 8940169838 (CP7125); 8940169996 (CP7115)

### Original Instructions

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All rights reserved. Any unauthorized use or copying of the contents or part thereof is prohibited. This applies in particular to trademarks, model denominations, part numbers and drawings. Use only authorized parts. Any damage or malfunction caused by the use of unauthorized parts is not covered by Warranty or Product Liability.

### Technical Data

Air consumption: 4,7 cfm (2,2 l/s) (CP7125);  
4,3 cfm (2 l/s) (CP7115)  
Air Pressure 90 psi (6.3 bar)  
Bore and Stroke: 1 x 1,3 in. (21 x 33,5 mm) (CP7125);  
0,5 x 1,3 in. (14 x 32 mm) (CP7115)  
BPM: 4000 (CP7125 & CP7115)

### Noise & Vibration Declaration\*

Sound pressure level

94 dB(A) (CP7125); 88 dB(A) (CP7115)

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

Vibration value

$a=19,2 \text{ m/s}^2$ , uncertainty  $k=2,4 \text{ m/s}^2$ , re. ISO 28927-9 (CP7125)

$a=11,4 \text{ m/s}^2$ , uncertainty  $k=1,4 \text{ m/s}^2$ , re. ISO 28927-9 (CP7115)

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.



## WARNING

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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 HAMMER**

(5) Machine type(s) :

**Serial number:  
00001 to 99999**

<b>CP7111</b>
<b>CP7111H</b>
<b>CP7111K</b>
<b>CP7111HK</b>
<b>CP7150</b>
<b>CP7150K</b>
<b>CP7115</b>
<b>CP7120</b>
<b>CP7125</b>
<b>CP9537</b>

(6) Origin of the product : Taiwan

(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) :

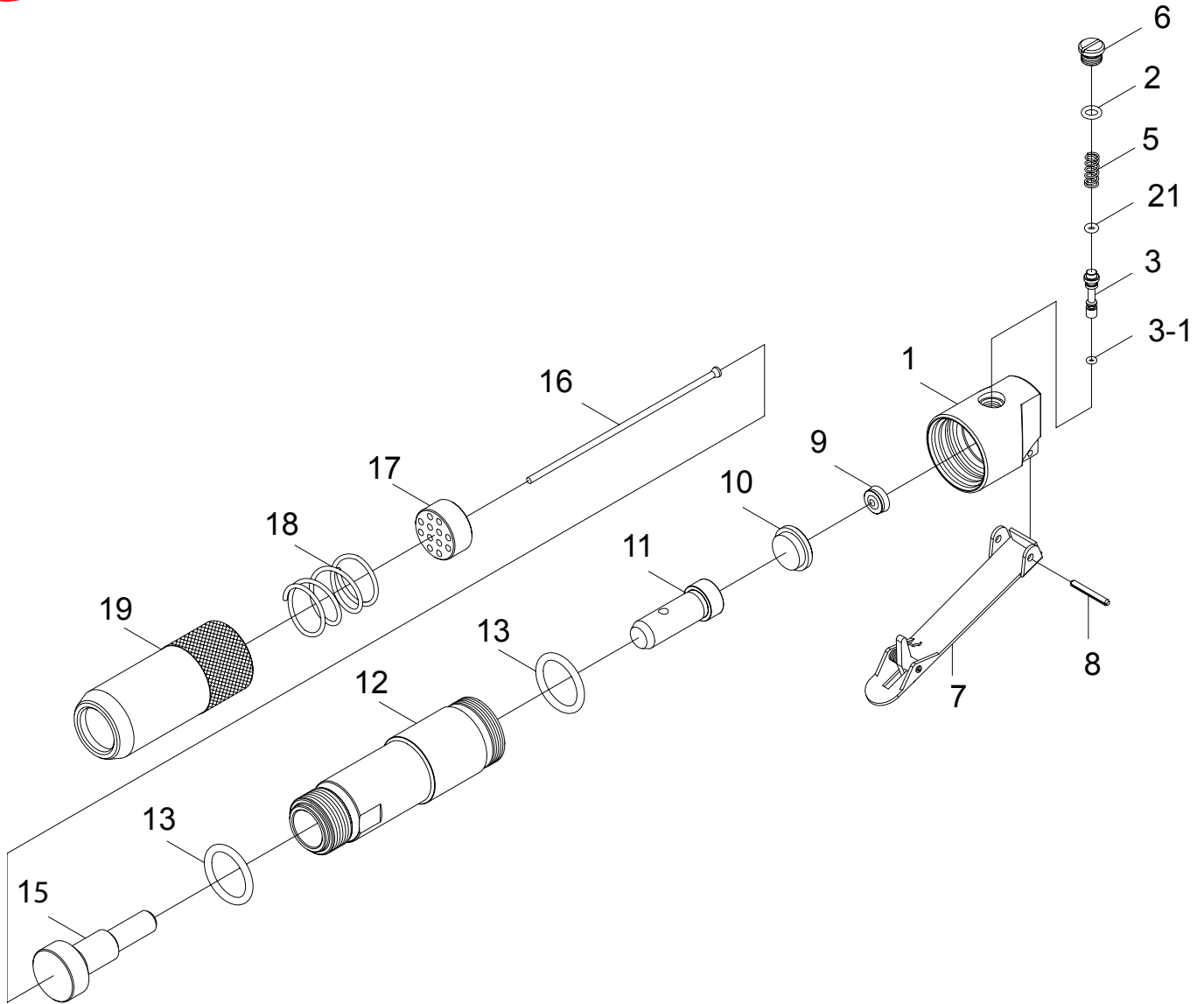
EN ISO 11148-4:2010

(12) NAME and POSITION of issuer :

**Bruno BLANCHET  
( General Manager)**

(13) Place & Date : Saint-Herblain, **27/03/2012**





Ref	CP Part No.	Description	Q'ty
<b>A</b>	<b>8940169993</b>	<b>Valve Block Complete</b>	
10		Backhead	1
<b>A1</b>	<b>8940169994</b>	<b>Throttle Valve Kit</b>	
03		Throttle Valve Seat (Incl. part #3-1)	1
05		Spring	1
06		Valve Cap Set (Inc.part 02)	1
21		O-Ring (P3)	1
<b>A2</b>	<b>8940169995</b>	<b>Lever Kit</b>	
07		Lever	1
08		Spring Pin (3*24)	1
<b>B</b>	<b>8940169996</b>	<b>Tune up Kit</b>	
05		Spring	1
08		Spring Pin (3*24)	1
09	8950220489	Rubber Cushon	1
13		O-Ring (P24)	2
21		O-Ring (P3)	1

Ref	CP Part No.	Description	Q'ty
02		O-Ring	1
09	8950220489	Rubber Cushon	1
10	8950220490	Rear Valve Block	1
11	8950220491	Piston	1
12		Cylinder	1
15	8950250445	Needle driver	1
16	8951011498	Needle 3mmx120 (set of 12pcs)	1
17	8951011511	Needle Holder	1
18	8950250446	Spring	1
19	8950200613	Needle Tube	1

	8940169840	Operator's Manual
	8940168387	EC Declaration
	6159948780	Safety instructions
	8950900061	Warning label

### Recommended Accessories

	Needle 3mmx120 (set of 12pcs) 8951011498
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Spare parts without part number are not sold separately