

Operator's Manual



CP871 CP873

Tire Buffer



⚠ 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.

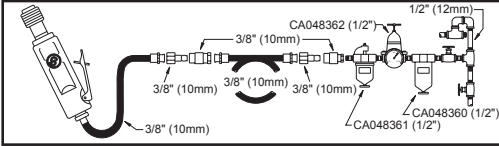
INSTRUCTION MANUAL

Machine Type:

Power tool equipped with slip chuck and 3/8 in.-24 adapter or drill chuck for use with various rasps for tire repair - 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

1. 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.
2. Make sure adequate lubrication is provided for internal gears for long life.

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.

Technical Data

Free speed:

CP871 : 22000 RPM

CP873 : 2800 RPM

Air pressure 90 psi (6.3 bar)

Original Instructions

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Noise & Vibration Declaration

Sound pressure level

CP871 : 88 dB(A)

CP873 : 87 dB(A)

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

Vibration value:

CP871 : $a=3 \text{ m/s}^2$. uncertainty $k=1.8 \text{ m/s}^2$; re. ISO 28927 -5,

CP873 : $a=4.8 \text{ m/s}^2$. uncertainty $k=3.3 \text{ m/s}^2$; re. ISO 28927-1.

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.

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.
- If possible, use a suspension arm to absorb the reaction torque. If that is not possible, side handles are recommended to absorb the reaction torque for:
 - Straight case drills with a chuck capacity larger than 6.5 mm. (1/4 inch), or if the torque reaction might exceed 4 Nm (3 lbf.ft);
 - Pistol-grip drills with a chuck capacity larger than 10 mm. (3/8 inch), or if the torque reaction might exceed 10 Nm (7.5 lbf.ft).
- Always use sharp bits.
- Reduce downward pressure at breakthrough.

▲ Repetitive motion 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. See instructions for correct set up.
- Whenever universal twist couplings are used, lock pins must be installed.
- Do not exceed maximum air pressure of 6.3 bar / 90 psig, or as stated on tool nameplate.
- 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 use a suspension arm or fit a side handle.
- 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;
 - Do not allow the drill bit to chatter on the workpiece.

▲ Workplace hazards

- Keep away from rotating drive. Choking, scalping and / or lacerations can occur if loose clothing, gloves, jewellery, neck ware and hair are not kept away from tool and accessories.
- You can be cut or burned if you come into contact with the drill bit, chips or work surface. Avoid contact and wear suitable gloves to protect hands.
- Use intermittent drill pressure to avoid long shaved chips.
- 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. Even small projectiles can injure eyes and cause blindness.
- Remove the chuck key before starting the tool.
- Ensure that the workpiece is securely fixed.
- 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 drilling into electric or other utility lines. This tool is not insulated from coming into contact with electric power sources.
- This tool is not recommended for use in potentially explosive atmospheres.

▲ Operating hazards

(4) declare that the product(s): **Tire Buffer**

(5) Machine type(s) :

CP871
CP873

Serial No:
From 00001 to 99999

(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) : ISO 11148-3: 2010 (CP871), ISO11148-9:2011 (CP873)

(12) NAME and POSITION of issuer :

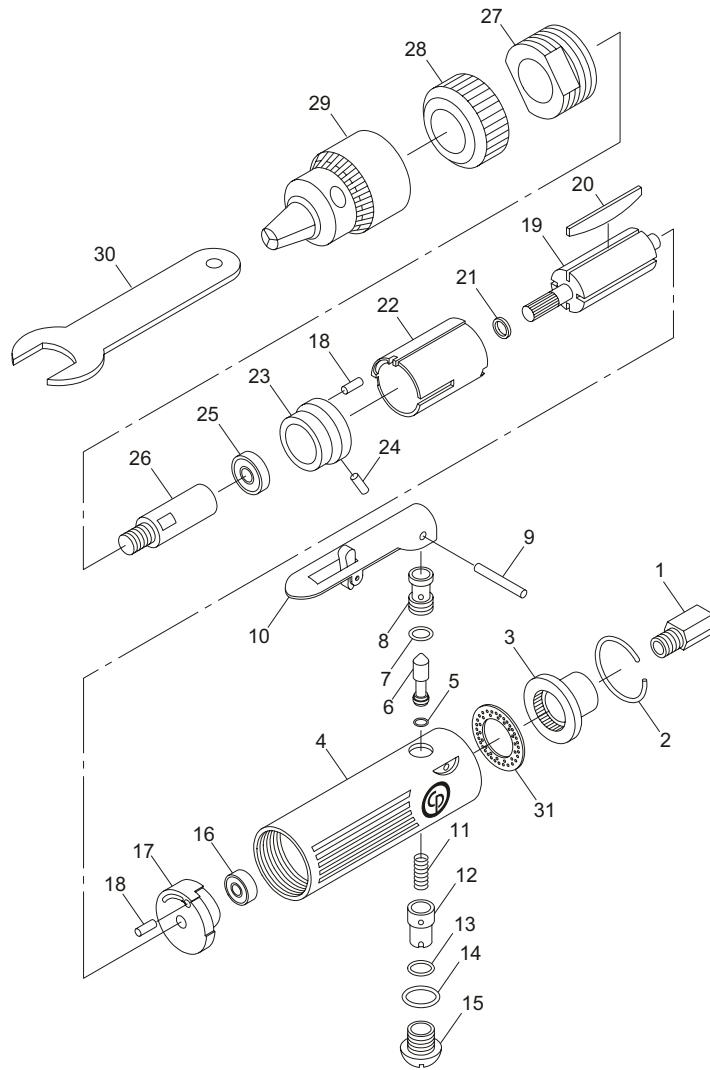
Bruno BLANCHET
(General Manager)

(13) Place & Date : Saint-Herblain, 15/10/2012



WARNING

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Index No	Part No	Description	Qty	Index No	Part No	Description	Qty
1	CA144870	Bushing-Air Inlet (Model A)	1	21	CA144890	Collar-Rotor	1
	CA157739	Bushing-Air Inlet (Model B)	1	22	CA144891	Liner	1
2	CA144871	Ring-Retaining (Model A Only)	1	23	CA144892	Plate-Front End (Includes: Index Nos. 18 & 24)	1
3	<u>CA144872</u>	Deflector-Exhaust (Model A)	1	24	CA144893	Pin-Roll	1
	<u>CA157734</u>	Deflector-Exhaust (Model B)	1	25	<u>CA144894</u>	Bearing-Ball	1
4	CA144873	Housing-Motor (Model A)	1	26	CA144895	Spindle	1
	CA157736	Housing-Motor (Model B)	1	27	CA144896	Nut-Clamp	1
5	CA144874	O-Ring	1	28	CA144897	Cap-Housing	1
6	CA144875	Valve-Throttle	1	29	CA144898	Chuck-Drill 3/8 in.	1
7	<u>CA144876</u>	O-Ring	1	30	CA144899	Wrench-Spindle	1
8	CA144877	Bushing-Throttle Valve	1	31	CA157735	Silencer (Model B)	1
9	CA144878	Pin-Roll	1		CA144813	Decal-Safety Warning (Not Shown)	1
10	CA144879	Lever-Throttle	1		CA145216	Motor Assy. (Incl: Index Nos. 16, 17, 19, 20, 21, 22, 23, 24, 25 & 26) (Not Shown)	1
11	<u>CA144880</u>	Spring-Throttle Valve	1		CA121582	Key-Chuck (Not Shown)	1
12	CA144881	Regulator-Air	1				
13	CA144882	O-Ring	1				
14	CA144883	O-Ring	1				
15	CA144884	Plug-Throttle Valve	1				
16	<u>CA144885</u>	Bearing-Ball	1				
17	CA144886	Plate-Rear End (Includes: Index No. 18)	1				
18	CA144887	Pin-Roll	2				
19	CA144888	Rotor	1				
20	<u>CA144889</u>	Blade Set-Rotor (4)	1				



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8940169060	CE DECLARATION
6159948740	SAFETY INSTRUCTIONS

Recommended accessories

CA146632 Overhose exhaust 18"
 CA047270 whip hose 3/8X2 ft