

Operator's Manual



CP7722 Series **Air Impact Wrench**



⚠ 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, as well as separately provided safety instructions 6159948710, before performing any such task.

CP7722 Series Impact Wrench

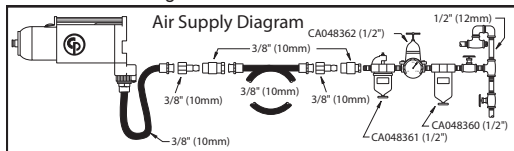
INSTRUCTION MANUAL

Machine Type:

This product is designed for installing and removing threaded fasteners in wood, metal and plastic. No other use permitted. For professional use only.

Air Supply Requirements

1. Supply tool with 90 psig (6.2 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 (2) drops per minute. If an air line lubricator cannot be used, add air motor oil to the inlet once a day.
2. Check clutch oil once each month
Use 1/3 oz. (10ml) of SAE #30 oil or equivalent.

Operation

The intended use of this impact wrench is with impact rated sockets operating upon threaded fasteners. This impact wrench includes a power management system to enable adjustment of output power in the forward direction. To adjust the power, rotate the power regulator to #8 for maximum power, to #1 for minimum power.

Maintenance

1. After first year, disassemble and inspect air motor and impacting clutch every three (3) 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: see part list

Technical Data

Free speed; CP7722: 9500 RPM

Noise & Vibration Declaration

Sound pressure level 97 dB(A)(CP7722 Series), uncertainty 3 dB(A), in accordance with EN ISO 15744. For sound power, add 11 dB(A).

Vibration value:

CP7722: 4 m/s², uncertainty k = 1,4, re. ISO 28927-2.

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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Original Instructions

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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 judgment 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 repair.
- Never direct air at yourself or anyone else
- Whipping hoses can cause serious injury. Always check for damaged or loose hoses and fittings.
- Do not use quick disconnect couplings at tool. 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.

⚠ Entanglement 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.
- Gloves can become entangled with the rotating drive, causing severed or broken fingers.
- Rotating drive sockets and drive extensions can easily entangle rubber-coated or metal reinforced gloves.
- Do not wear loose-fitting gloves or gloves with cut or frayed fingers.
- Never hold the drive, socket or drive extension.

⚠ Projectile Hazards

- 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.
- Serious injury can result from over-torqued or under-torqued fasteners, which can break, or loosen and separate. Released assemblies can become projectiles. Assemblies requiring a specific torque must be checked using a torque meter.

Note: So-called "click" torque wrenches do not check for potentially dangerous over-torque conditions.

- Use only impact wrench sockets and accessories in good condition. Sockets in poor condition or hand sockets and accessories used with impact wrenches can shatter.
- Never operate the tool off of the work. It may run too fast and cause the accessory to be thrown off the tool.
- Ensure that the workpiece is securely fixed.

⚠ Accessory hazards

- Use only proper accessory retainers (see parts list). Use deep sockets wherever possible.
- For tools using the pin and O-ring socket retention system, use the O-ring to retain the socket pin securely.
- Always use the simplest hook-up possible. Long, springy extension bars and adapters absorb impact power and could break. Use deep sockets wherever possible.

⚠ Operating hazards

- 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.
- Do not use with reduced air pressure or in a worn condition: the clutch may not operate, resulting in sudden rotation of the tool handle.
- Be in control of the throttle at all times. Do not get caught between the tool and the work.

⚠ 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 offbalance 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 use worn or ill-fitting screwdriver bits, sockets or extensions.
 - Do not touch sockets or accessories during impacting.

⚠ 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 be harmful to your health (for example, cancer, birth defects, asthma and/or dermatitis). Use dust extraction and wear respiratory

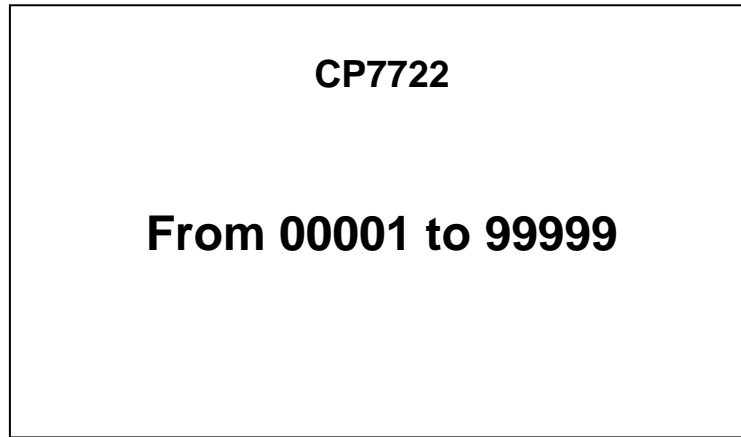
protective equipment when working with materials which produce airborne particles.

- 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
 - And 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. Be aware of potential hazards created by your work activity. This tool is not insulated for coming into contact with electric power sources.
- This tool is not recommended for use in explosive atmospheres.

- (4) declare that the product(s): **PNEUMATIC IMPACT WRENCH**
(5) Machine type(s) :



- (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)

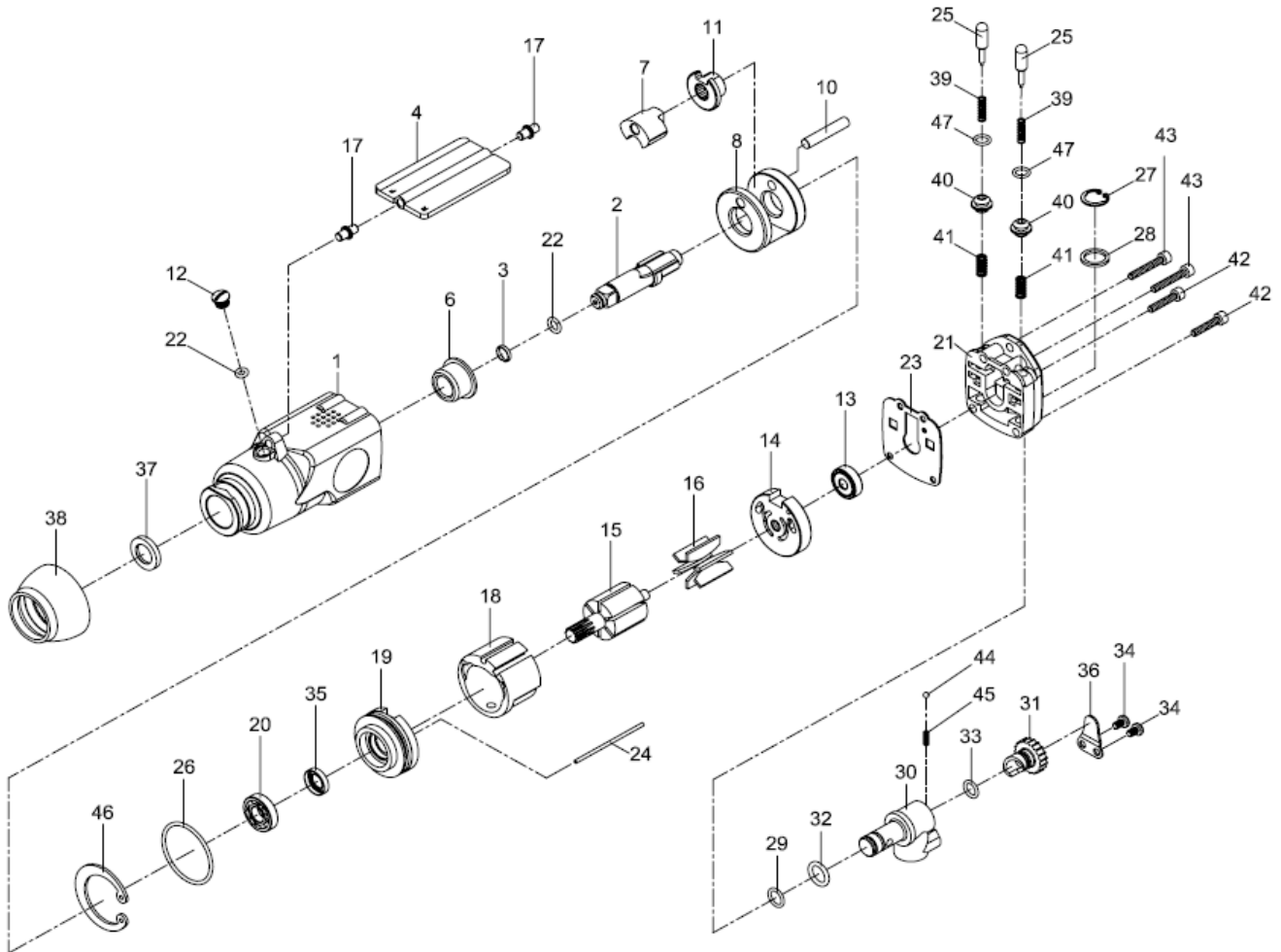
(11) applicable harmonised standard(s) : EN ISO 11148-6:2012

(12) NAME and POSITION of issuer :

Nicolas LEBRETON
(R&D Manager)

(13) Place & Date : Saint-Herblain, **20 May 2013**





No.	Part No.	Description	Qty	No.	Part No.	Description	Qty
1	8940163610	Motor Housing	1	28	8940163635	Washer	1
2	<u>8940163611</u>	Anvil	1	29	<u>8940163636</u>	O-ring (8,8x1,7)	1
3	<u>8940163612</u>	Retaining ring	1	30	8940163637	Air inlet block	1
4	8940163613	Throttle lever	1	31	8940163638	Regulator	1
6	8940163614	Anvil Bushing	1	32	<u>8940163639</u>	O-ring (P11)	1
7	<u>8940163615</u>	Hammer	1	33	<u>8940163640</u>	O-ring (7,65x1,78)	1
8	8940163616	Hammer cage	1	34	8940163641	Screw (M4x6L)	2
10	<u>8940163617</u>	Hammer pin (6x32L)	1	35	<u>8940163642</u>	Oil seal	1
11	<u>8940163618</u>	Cam	1	36	8940163643	Retainer plate	1
12	8940163619	Oil Screw	1	37	<u>8940163644</u>	Oil seal	1
13	8940163620	Ball bearing (626ZZ)	1	38	8940163645	Rubber nose guard	1
14	8940163621	Rear end plate	1	39	8940163646	Plunger spring	2
15	8940163622	Rotor	1	40	<u>8940163647</u>	Valve seat	2
16	8940163623	Rotor blade (set of 6)	1	41	8940163648	Valve spring	2
17	8940163624	Throttle pin	2	42	8940163649	Short cap screw (M4x20L)	2
18	8940163625	Cylinder	1	43	8940163650	Long cap screw (M4x25L)	2
19	8940163626	Front end plate	1	44	8940163651	Steel ball (1/8")	1
20	<u>8940163627</u>	Ball bearing (EE3)	1	45	8940163652	Spring	1
21	8940163628	Back cap	1	46	8940163653	Snap ring (RTW-39)	1
22	<u>8940163629</u>	O-ring (P4)	2	47	<u>8940163654</u>	O-ring (3,5x1,5)	2
23	<u>8940163630</u>	Back cap gasket	1		ca155779	Warning label	1
24	8940163631	Motor pin (2x54L)	1		8940164675	Nameplate	1
25	8940163632	Plunger	2		8940164642	Packaging	1
26	<u>8940163633</u>	O-ring (S36)	1				
27	8940163634	Snap ring (ISTW-12)	1				

Tune-up kit

8940164482 (incl: 3, 16, 22, 23, 26, 29, 32, 33, 35, 37, 40, 47)