

Operator's Manual



CP7110 Shock Reduced Air Hammer

Model "P"

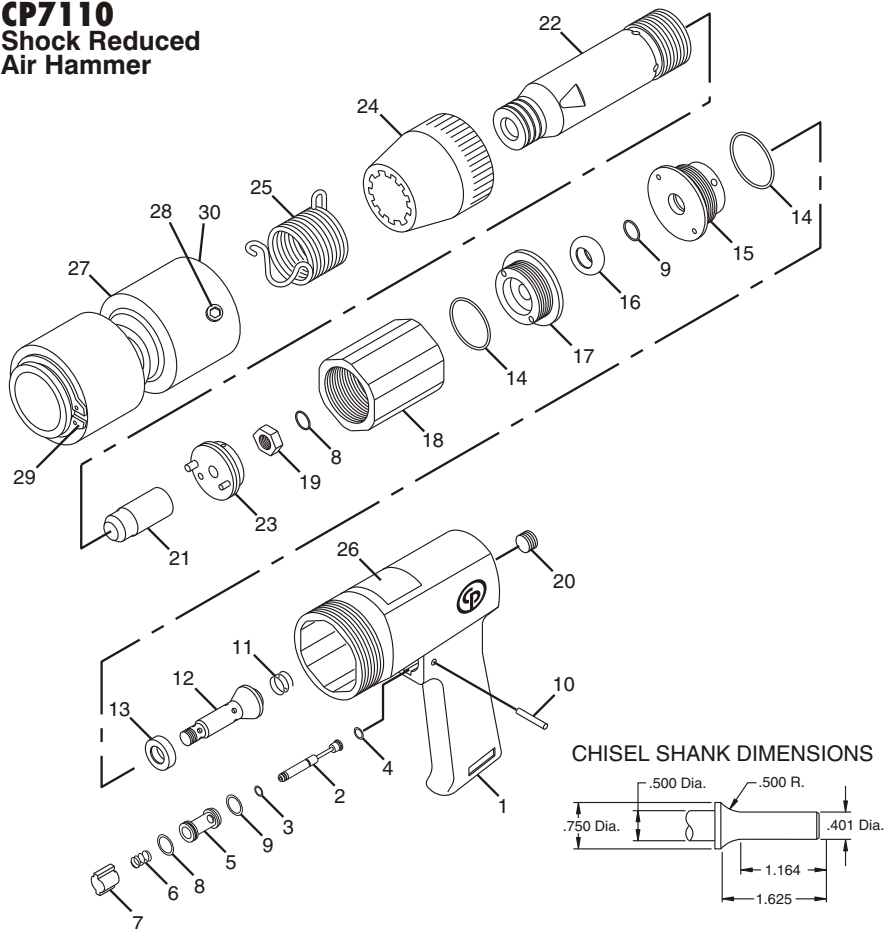


⚠ WARNING

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.

CP7110

Shock Reduced Air Hammer



Index No.	Part No.	Description	No. Req'd.	Index No.	Part No.	Description	No. Req'd.
1	8940158894	Handle	1	18	8940158908	Inner Housing	1
2	8940158895	Stem-Throttle Valve	1	19	8940158909	Lock Nut	1
3	8940158896	O-Ring	1	20	8940158910	Plug Screw (NPT)	1
4	8940158897	O-Ring	1		8940161549	Plug Screw (PT)	
5	8940158898	Bushing-Valve	1	21	8940158911	Piston	1
6	8940158899	Spring-Valve	1	22	8940158912	Cylinder	1
7	8940158900	Trigger-Throttle	1	23	8940158913	Valve	1
8	CA144843	O-Ring (2)	2	24	8940158914	Exhaust Deflector	1
9	CA146599	O-Ring (2)	2	25	8940158915	Retainer-Spring (standard for CP7110)	1
10	8940158901	Pin-Grooved	1				
11	8940158414	Spring	1	26	CA156894	Decal-Warning Safety	1
12	8940158902	Air Inlet Tube	1	27	8940158924	Retainer-Quick Change (standard for CP7110K)	1
13	8940158903	Valve Seat	1				
14	8940158904	O-Ring (2)	2				
15	8940158905	Air Port	1	28	8940161843	Set Screw	3
16	8940158906	Bumper	1	29	8940161844	Ext. Retaining Ring	1
17	8940158907	Head-Inner Housing	1	30	8940161845	Int. Retaining Ring (Not Shown)	1

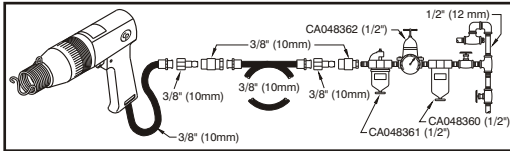
CP7110

Shock Reduced Air Hammer

INSTRUCTION MANUAL

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.



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. The use of synthetic oils for air line lubrication is not recommended because of possible damage to seals, o-rings, hose, rotor blades and polycarbonate oiler/filter bowls.

Operation

1. To insert chisel, press loop on retainer aside, push chisel into cylinder and release loop.
2. Place cutting edge of chisel against workpiece, depress trigger.

⚠Caution: Do not operate tool without chisel in cylinder, or allow the chisel to be driven out of cylinder. Internal damage will result if piston is allowed to strike cylinder wall.

Maintenance

1. Disassemble and inspect air motor 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. Dirt or gum deposits cut tool power. To correct this, flush out the tool with gum solvent oil or an equal mixture of SAE #10 oil and kerosene. If outside conditions are in order, disassemble tool, replace worn or damaged parts, clean, reassemble and relubricate.

EC DECLARATION OF CONFORMITY

We, Chicago Pneumatic Tool Company, declare under our sole responsibility that the product to which this declaration relates, is in conformity with the requirements of the Council Directive of June 1998 on the approximation of the laws of the Member States relating to machinery (98/37/EC).

Machine Name CP7110 Shock Reduced Air Hammer
Machine Type Power tool with .401 shank for use with chisel and various .401 shank accessories - No other use is permitted.

Serial No. Tools with No. 03268P or higher

Technical Data

.401 in. (10 mm) shank
Stroke 2-5/8 in. (66 mm)
Air pressure 90 psi (6.2 bar)
BPM 3200

Harmonized Standards Applied EN292

National Standards Applied ISO 8662-2, ISO15744-2002

Name And Position Of Issuer Yves Antier, General Manager, Chicago Pneumatic Tool Company

Signature Of Issuer

Noise & Vibration Declaration*

Sound pressure level 98 dB(A), uncertainty 3 dB(A), in accordance with ISO 15744-2002. For sound power, add 11 dB(A).

Vibration value 9.0 m/s^2 , re. ISO 8662-2.

*These declared values were obtained by laboratory type testing in compliance with the stated standards and are not adequate for use in risk assessments. Values measured in individual work places may be higher than the declared values. 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 as 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.

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⚠ 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.

The goal of Chicago Pneumatic 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.

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 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/6.2 bar or as stated on tool nameplate.

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.
- ⚠ 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.

Operating Hazards

- ⚠ To prevent damage to the tool and accessory, accessory must be held firmly against work surface before tool is throttled.
- ⚠ Always shut off air supply, relieve hose of air pressure and disconnect tool from air supply when changing accessories.
- ⚠ Avoid direct contact with accessory and work surface during and after work as they become heated and sharp.
- ⚠ Wear gloves to protect hands.
- ⚠ Operators and maintenance personnel must be physically able to handle the bulk, weight, and power of the tool.
- ⚠ Holding the accessory with the free hand can be a source of vibration exposure or injury.



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.

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 work pressure and can break from fatigue.
- ⚠ Never cool a hot accessory in water. Brittleness and early failure can result.
- ⚠ This tool and its accessories must not be modified in any way.
- ⚠ Chicago Pneumatic hammers are not intended for use with any accessories that are not listed in the catalog.
- ⚠ Accessory breakage or tool damage may result from prying. Take smaller bites to avoid getting struck.

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.
- ⚠ High sound levels can cause permanent hearing loss. Use hearing protection as recommended by your employer or OSHA regulation (see 29 CFR part 1910).
- ⚠ Maintain a balanced body position and secure footing.
- ⚠ Repetitive work motions, awkward positions and exposure to vibration can be harmful to hands and arms. If numbness, tingling, pain or whitening of the skin occurs, stop using tool and consult a physician.
- ⚠ Avoid inhaling dust or handling debris from the work process which can be harmful to your health. Use dust extraction and wear respiratory protective equipment when working with materials which produce airborne particles.
- ⚠ Proceed with care in unfamiliar surroundings. Hidden hazards may exist, such as electric or other utility lines.
- ⚠ This tool is not intended for use in explosive atmospheres and is not insulated for contact with electric power sources.
- ⚠ 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.

- ⚠ For professional use only.

SAFETY INSTRUCTIONS

DO NOT DISCARD - GIVE TO USER

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- 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
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 - 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.