



**Chicago
Pneumatic**

Operator's Manual

CP717

Air Hammer



⚠ 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 part number 6159948780, before performing any such task.

Air Diagram:

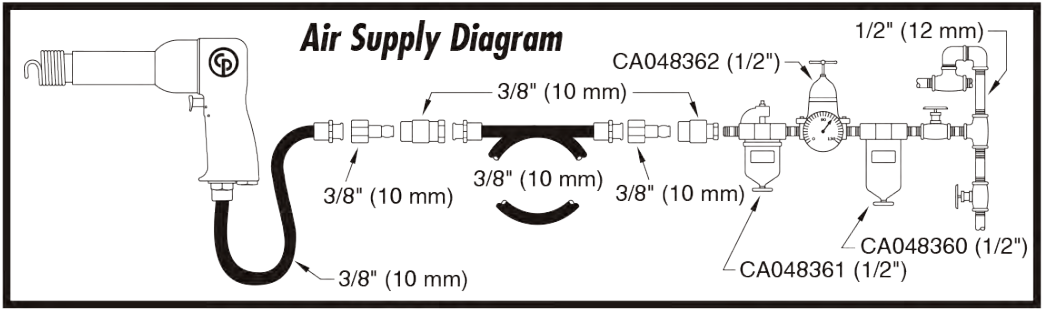


Fig. 1

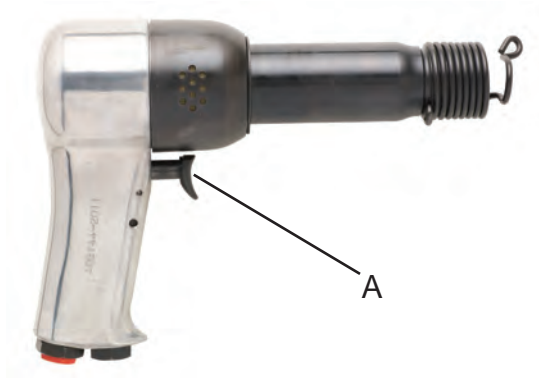













Fig. 2

Model	Bore & stroke	Power	Blows per minute	Dimension LxH	Weight	Air Consumption		Air Inlet	Inner Hose Dia.	Sound pressure L _{pA}	Soundpower L _{wA}	Vibrations	
						Average	at load					a _{sd}	K
	1	2	3	4	5	6		7	8	9		10	11
[inch] [mm]	[Joule]	[min ⁻¹]	[inch] [mm]	[kg] [lb]	[l/min] [SCFM]	[l/min] [SCFM]	[inch]	[inch] [mm]	[dB(A)]	[dB(A)]	[m/s ²]	[m/s ²]	
CP717	3/4" / 3/16" 19 / 68	7.3	1800	190	2.15 4.75	89 3.13	354 12.5	0.25"	3/8" 10	94	105	20.4	6.2

1. Technical Data

Model	Bore & stroke	Power	Blows per minute	Dimension L	Weight	Air Consumption		Air Inlet	Inner Hose Dia.	Sound pressure L_{pA}	Soundpower L_{wA}	Vibrations	
						Average	at load					a_{hd}	K
	1	2	3	4	5	6	7	8	9	10	11		
													
	[inch] [mm]	[Joule]	[min ⁻¹]	[inch] [mm]	[kg] [lb]	[l/min] [SCFM]	[l/min] [SCFM]	[inch]	[inch] [mm]	[dB(A)]	[dB(A)]	[m/s ²]	[m/s ²]

max. pressure 6.3bar(90psi)

a_h : Vibration level, k Uncertainty : L_{pA} Sound pressure dB(A), $K_{pA} = K_{wA} = 3$ dB Uncertainty.

Declaration of noise and vibration statement (ISO 15744 and ISO 28927-10)

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 TOOLS, 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.

2. Machine type(s)

- This product is designed for removing material using a chisel or suitable needles. No other use permitted. For professional use only.
- Please read the instructions carefully before starting the machine.

3. Operation

- Fix the accessories properly to the tool.
- Connect device as shown in Fig. 01.
- To start the machine, pull the trigger (A). Machine speed is increase by increasing pressure on the trigger. Release the trigger to stop.
- Remember that it is always the tool that must do the work. There is no need for the operator to apply extra pressure on the tool when it is working. Maintain the contact with the work surface by applying enough pressure to stop the tool from bouncing.

4. 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.

Recommended lubricant : CP Oil PROTECTO-LUBE

- 4 oz (0.12l) P/N: CA149661

- 20.8 oz (0.591l) P/N: CA000046

- 1gal (3.8l) P/N: P089507

5. Maintenance instruction

• Follow local country environmental regulations for safe handling and disposal of all components.

- Maintenance and repair work must be carried out by qualified personnel using only original spare parts. Contact the manufacturer or your nearest authorised dealer for advice on technical service or if you require spare parts.
- Always ensure that the machine is disconnected from energy source to avoid accidental operation.
- Disassemble and inspect the tool every three 3 months if the tool is used every day. Replace damaged or worn parts.
- High wear parts are underlined in the parts list.

6. Disposal

- The disposal of this equipment must follow the legislation of the respective country.
- All damaged, badly worn or improperly functioning devices MUST BE TAKEN OUT OF OPERATION.
- **Repair only by technical maintenance staff.**

7. Declaration of conformity

Machine type(s): **Air Hammers**

Declare that the product(s): **CP717** Serial Number: **From 001 to 999**

Origin of the product : **JAPAN**

is in conformity with the requirements of the council Directives on the approximation of the laws of the Member States relating to "Machinery" **2006/42/EC (17/05/2006)** applicable harmonised standard(s) : **EN ISO 11148-4:2012**

Name and position of issuer : **Nicolas Lebreton (R&D Manager)**

Place & Date : Saint-Herblain, **04/06/2015**



Original Instructions are in English. Other languages are a translation of the 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.

(4) declare that the product(s): **PNEUMATIC HAMMER**

(5) Machine type(s) :

**CP714, CP717 ZIP, CP0951, CP0952,
CP9356-NS, CP9356-WF**

**Serial number:
See on the tool document**

(6) Origin of the product : Japan

(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, **23/01/2012**



Vibration levels

SCALER, HAMMER		ISO 28927-9 (3 axis)		ISO8662-14 (1 axis)	ISO 15744	
Part #	Models	a_{hd} m/s ²	K m/s ²	a_h m/s ²	L_{pA} dB(A)	L_{wA} dB(A)
T012735	CP714	13,2	5,8	7,5	95	106
T020120	CP717	20,4	6,2	13	94	105
T022306	CP0951	9,2	2,9		90	101
T019191	CP0952	15,4	4,3		92	103
T022165	CP9356-NS	17,3	3,4	10,9	98	109
T021959	CP9356-WF	21,3	8	16,7	101	112

a_{hd}, a_h : Vibration levels

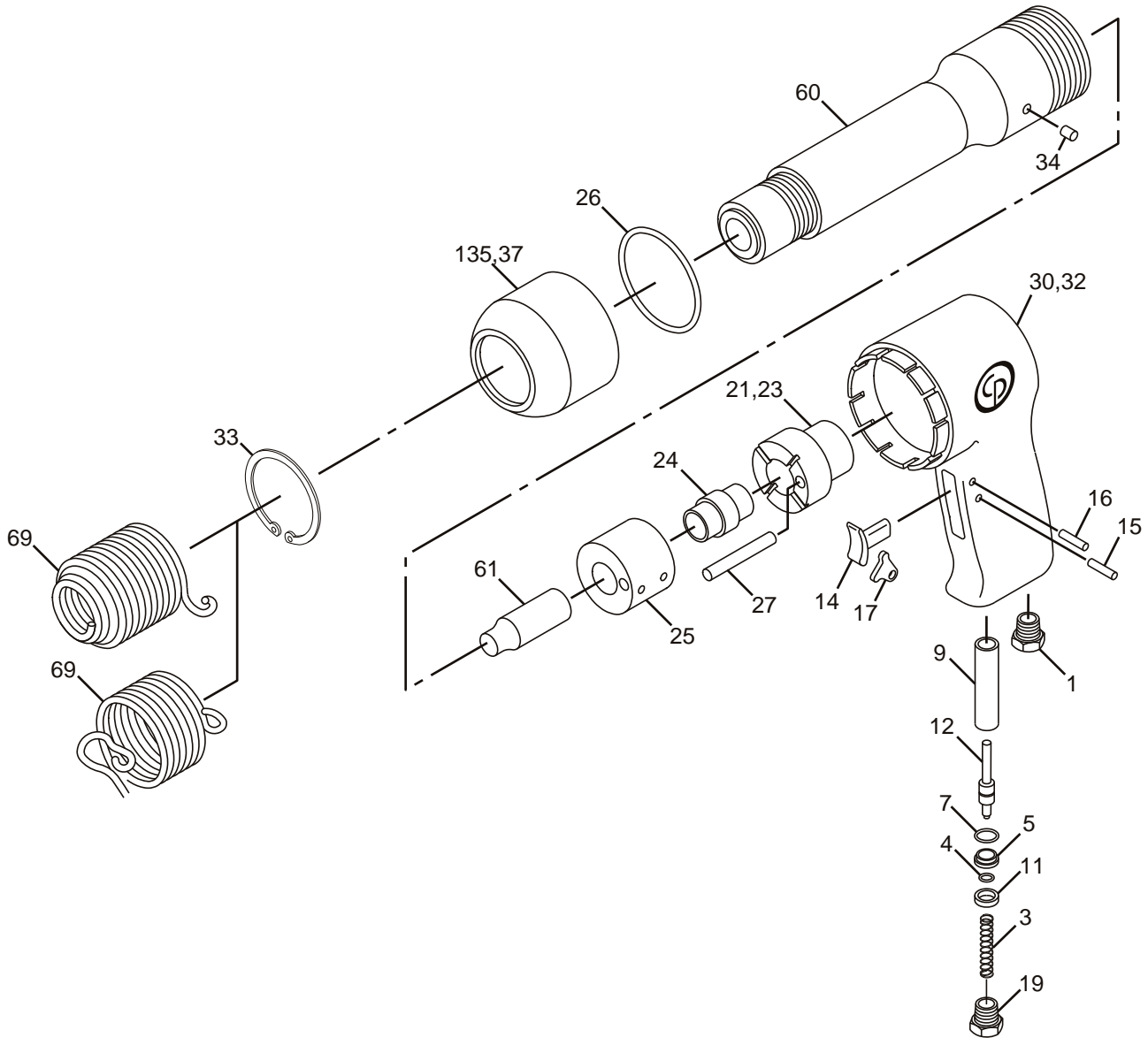
L_{pA} Sound pressure level

$K_{pA} = K_{wA} = 3dB$ Uncertainty




WARNING

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Item No.	Parts No.	Description	Qty
1	P073780	Air Inlet Bushing (3/4" to 1/4")	1
3	P002521	Throttle Valve Spring	1
4	<u>C087316</u>	O-Ring (-006)	1
5	A113837	Valve-Throttle	1
7	<u>C069083</u>	O-Ring (-010)	1
9	P074486	Bushing	1
11	A113838	Cup-Spring	1
12	A113836	Stem-Valve	1
14	P071565	Button-Lever Push	1
15	P056138	Valve Lever Stop Pin	1
16	C089798	Roll Pin	1
17	P071564	Throttle Lever	1
19	P074898	Plug	1
21	P077945	Valve Case Assembly (Incl: Index Nos. 23, 24, 25 & 27)	1
23	P073806	Valve Case Lid	1
24	P073804	Valve	1
25	P073805	Valve Case	1
26	<u>P083072</u>	O-Ring (-326)	1
27	C138386	Valve Case Dowel	1
30	P078618	Handle Assembly (Incl: Index Nos. 3, 4, 5, 7, 11, 12, 14, 15, 16, 17, 19, 32)	1

Item No.	Parts No.	Description	Qty
32	P081372	Handle (Incl: Index Nos. 1 & 9)-use P078617	1
33	A083765	Retaining Ring	1
34	P008993	Lock Pin	1
36	P130869	Screen-Exhaust (Not Shown)	1
37	P130868	Deflector-Exhaust (Not Shown)	1
60	P140361	Cylinder-S	1
61	P074493	Piston	1
69	A050282	Retainer-use A047095	1
	A047096	Retainer (Bee Hive Type)	1
	CA085203	Air Regulator (Optional)	1
135	P081369	Exhaust Deflector (Incl: Index Nos. 26, 33, 36 & 37)	1
	CA131376	Decal-Oil Daily(Not Shown)	1
	CA155290	Operator's Manual	
	470173	Warning Label	
	6159948780	Safety Instructions	

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.

Check out the collection of air tools and compressors we offer.