

Operator's Manual



CP9883 & CP9884 **Air Riveter**

3/16" and 1/4"

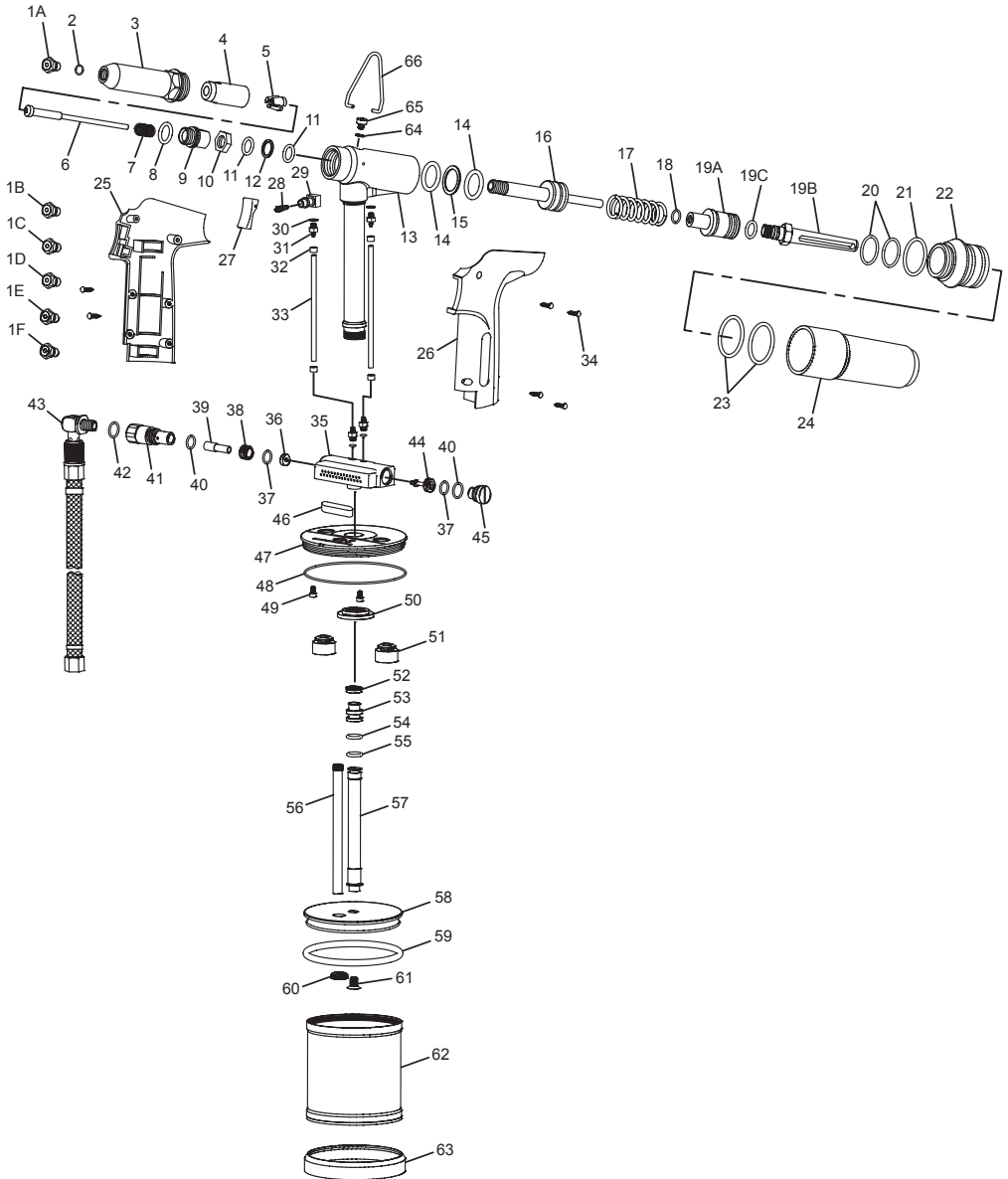


⚠ WARNING

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.

CP9883 & CP9884

Air Riveter



CP9883 - Parts List

CP9884 - Parts List

Index No.	Part No.	Description	Qty.	Index No.	Part No.	Description	Qty.
1A	8940167649	Nosepiece ø2.4	1	1D	8940167612	Nosepiece ø4.8	1
1B	8940167650	Nosepiece ø3.2	1	1F	8940167683	Nosepiece ø6.4	1
1C	8940167651	Nosepiece ø4.0	1	1G	8940167684	Nosepiece ø6.4 (Mono-Bolt)	1
1D	8940167612	Nosepiece ø4.8	1	2	8940167613	O-Ring	1
2	8940167613	O-Ring	1	3	8940167614	Nosepiece Casing	1
3	8940167614	Nosepiece Casing	1	4	8940167615	Jaw Carrier	1
4	8940167615	Jaw Carrier	1	5	8940167685	Jaw - 1/4" (1 Set)	1
5	8940167652	Jaw - 3/16" (1 Set)	1	6	8940167686	Pusher	1
6	8940167653	Pusher	1	7	8940167616	Jaw Pusher Spring	1
7	8940167616	Jaw Pusher Spring	1	8	8940167617	O-Ring	1
8	8940167617	O-Ring	1	9	8940167688	Jaw Housing	1
9	8940167654	Jaw Housing	1	10	8940167689	Lock Ring	1
10	8940167655	Lock Ring	1	11	8940167690	O-Ring	2
11	8940167656	O-Ring	2	12	8940167691	Teflon Ring	1
12	8940167657	Teflon Ring	1	13	8940167692	Head Assembly	1
13	8940167658	Head Assembly	1	14	8940167693	O-Ring	2
14	8940167659	O-Ring	2	15	8940167694	Teflon Ring	1
15	8940167660	Teflon Ring	1	16	8940167695	Principal Axis Unit	1
16	8940167661	Principal Axis Unit	1	17	8940167696	Restore Spring	1
17	8940167662	Restore Spring	1	18	8940167697	O-Ring	1
18	8940167663	O-Ring	1	19A	8940167698	Vacuum Switch Base	1
19A	8940167664	Vacuum Switch Base	1	19B	8940167699	Safety Vacuum Switch	1
19B	8940167665	Safety Vacuum Switch	1	19C	8940167618	O-Ring	1
19C	8940167618	O-Ring	1	20	8940167619	O-Ring	2
20	8940167619	O-Ring	2	21	8940167620	O-Ring	1
21	8940167620	O-Ring	1	22	8940167700	Airproof Lid	1
22	8940167666	Airproof Lid	1	23	8940167701	O-Ring (Set of 2 pcs)	2
23	8940167667	O-Ring (Set of 2 pcs)	2	24	8940167721	Nail Container (incl: 2pc #23 O-Ring)	1
24	8940167720	Nail Container (incl: 2pc #23 O-Ring)	1	25	8940167702	Handle (Left & Right)	1
25	8940167668	Handle (Left & Right)	1	27	8940167621	Trigger	1
27	8940167621	Trigger	1	28	8940167622	Trigger Valve	1
28	8940167622	Trigger Valve	1	29	8940167623	On/Off Base	1
29	8940167623	On/Off Base	1	30	8940167624	O-Ring	4
30	8940167624	O-Ring	4	31	8940167625	Air Interface	4
31	8940167625	Air Interface	4	32	8940167626	Tie Ring	4
32	8940167626	Tie Ring	4	33	8940167627	Air Tube (Set of 2 pcs)	2
33	8940167627	Air Tube (Set of 2 pcs)	2	34	8940167628	Tapping Screw	6
34	8940167628	Tapping Screw	6	35	8940167703	Air Valve Body	1
35	8940167669	Air Valve Body	1	36	8940167629	Air Valve Ring	1
36	8940167629	Air Valve Ring	1	37	8940167630	O-Ring	2
37	8940167630	O-Ring	2	38	8940167631	Air Valve Base	1
38	8940167631	Air Valve Base	1	39	8940167632	Subordinate Tube	1
39	8940167632	Subordinate Tube	1	40	8940167633	O-Ring	2
40	8940167633	O-Ring	2	41	8940167704	Connecting Base	1
41	8940167670	Connecting Base	1	42	8940167634	O-Ring	1
42	8940167634	O-Ring	1	43	8940167635	On/Off Assembly	1
43	8940167635	On/Off Assembly	1	44	8940167705	Air Valve Rod	1
44	8940167671	Air Valve Rod	1	45	8940167636	Screw Plug	1
45	8940167636	Screw Plug	1	46	8940167706	Silencer	1
46	8940167672	Silencer	1	47	8940167707	Cylinder Cover	1
47	8940167673	Cylinder Cover	1	48	8940167708	O-Ring	1
48	8940167674	O-Ring	1	49	8940167637	Bolt	2
49	8940167637	Bolt	2	50	8940167638	Rock Nut	1
50	8940167638	Rock Nut	1	51	8940167639	Buffer	2
51	8940167639	Buffer	2	52	8940167640	Lip Seal	1
52	8940167640	Lip Seal	1	53	8940167641	Air Tube Piston	1
53	8940167641	Air Tube Piston	1	54	8940167642	O-Ring	1
54	8940167642	O-Ring	1	55	8940167643	Piston Ring	1
55	8940167643	Piston Ring	1	56	8940167709	Transfer Tube	1
56	8940167675	Transfer Tube	1	57	8940167710	Piston Rod	1
57	8940167676	Piston Rod	1	58	8940167711	Cylinder Piston	1
58	8940167677	Cylinder Piston	1	59	8940167712	O-Ring	1
59	8940167678	O-Ring	1	60	8940167644	O-Ring	1
60	8940167644	O-Ring	1	61	8940167645	Bolt	1
61	8940167645	Bolt	1	62	8940167713	Cylinder	1
62	8940167679	Cylinder	1	63	8940167714	Base Cover	1
63	8940167680	Base Cover	1	64	8940167646	Bushing	1
64	8940167646	Bushing	1	65	8940167647	Seal Screw	1
65	8940167647	Seal Screw	1	66	8940167648	Hook	1
66	8940167648	Hook	1		6158727630	Warning Label	1
	6158727630	Warning Label	1				

Tune-Up Kit CP9883

8940167681 (Incl. Index: 5, 8, 11, 12, 14, 15, 18, 19C, 20, 21, 23, 35, 36, 37, 38, 39, 40, 41, 42, 44, 45, 46, 48, 52, 54, 55, 59, 60, 64)

Jaw Housing Set CP9883

8940167682 (Incl. Index: 4, 5, 6, 7, 8, 9, 10)

Tune-Up Kit CP9884

8940167715 (Incl. Index: 5, 8, 11, 12, 14, 15, 18, 19C, 20, 21, 23, 35, 36, 37, 38, 39, 40, 41, 42, 44, 45, 46, 48, 52, 54, 55, 59, 60, 64)

Jaw Housing Set CP9884

8940167716 (Incl. Index: 4, 5, 6, 7, 8, 9, 10)

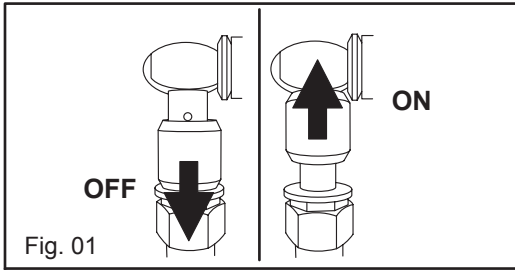


Fig. 01

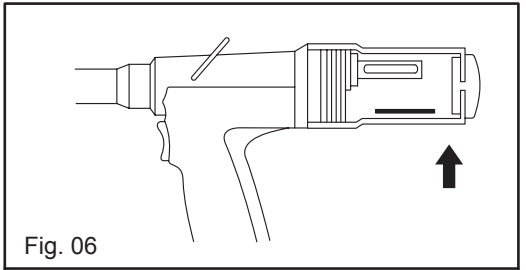


Fig. 06

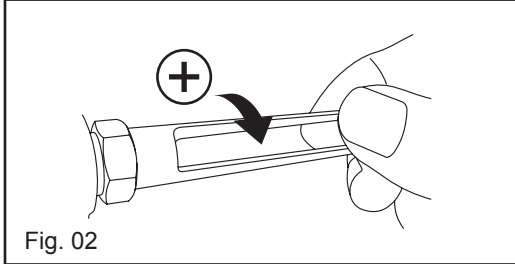


Fig. 02

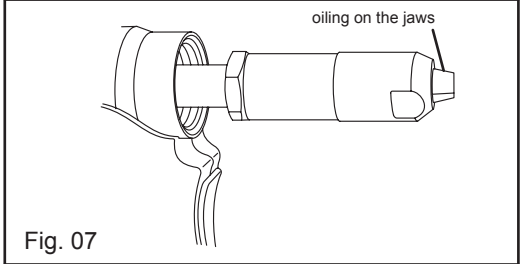


Fig. 07

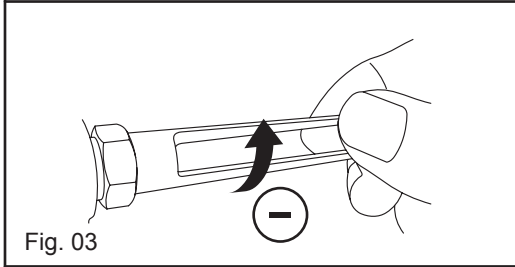


Fig. 03

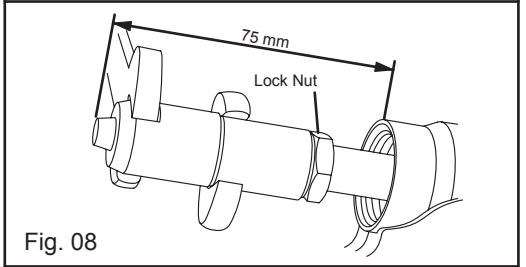


Fig. 08

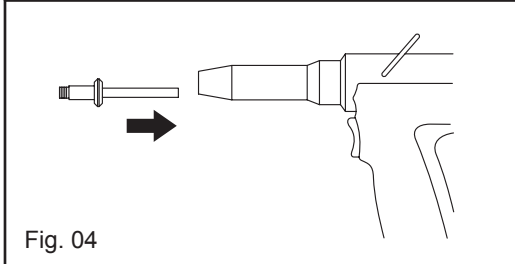


Fig. 04

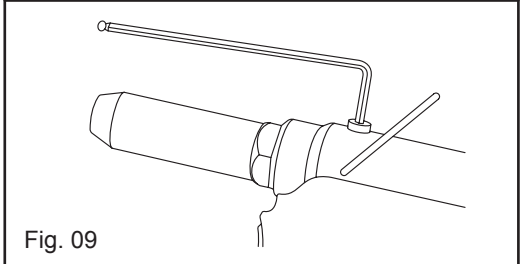


Fig. 09

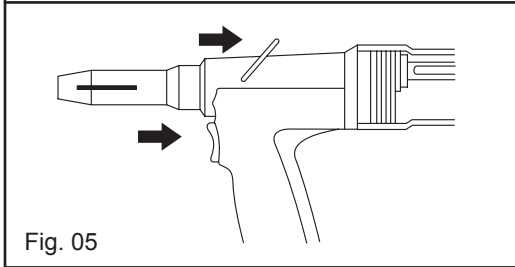


Fig. 05

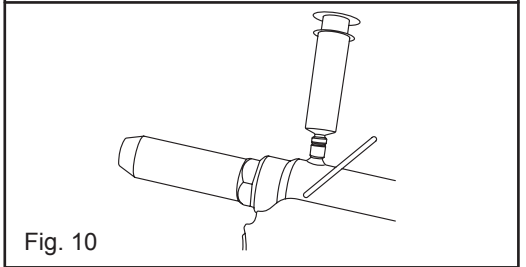


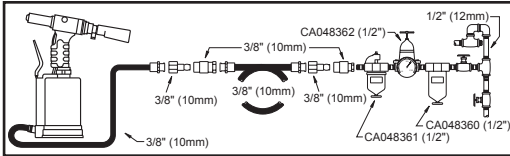
Fig. 10

INSTRUCTION MANUAL

An air riveter is a tool to use blind rivets for positively joints. No other use permitted. For professional use only.

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 (2) drops per minute. If an air line lubricator cannot be used, add air motor oil to the inlet once a day.
2. Apply one drop of machine oil to the chuck jaws every 5,000 cycles (Fig. 07).

Operation

1. To apply air pressure move the valve (Fig. 01) to "ON" position.
2. To activate the self-aspiration of the rivets and to set the desired suction turn vacuum switch (Fig. 02) counter-clockwise. Now the rivets can be set in any angle without having to hold them. Turn vacuum switch (Fig. 03) clockwise in case self-aspiration is not wanted or to be reduced.
3. Always mount rivet seat corresponding to selected rivets. Ensure the use of correct chuck jaws according to rivet size, as described on page 1. The appropriate tools are supplied; please see details under "Maintenance".
4. Insert the blind rivet into the rivet seat, as shown in Fig. 04.
5. Press the trigger (Fig. 05) to pull the rivet (wear eye protection).
6. The rivet spine is automatically transported to the collection container according to the set suction (Fig. 06).

Maintenance

1. Before maintenance always move the ON/OFF valve to OFF position and disconnect the tool from air supply!
2. Keep the tool clean and away from aggressive chemicals. Do not leave the tool outdoors.
3. Unscrew the casing head with jaw spanner SW 24. Clean chuck jaws, chuck jaw seats and casing head. Lubricate the chuck jaws (Fig. 07). Assemble casing head in opposite sequence (do not overtighten casing head).
4. Use jaw spanners SW 17 and SW 15 to unscrew or replace chuck jaws or chuck jaw seats. Remove old chuck jaw from chuck jaw seat and replace (Fig. 08).
5. **Do not loosen or remove the lock nut! The distance of 75mm between the tip of the chuck jaw and the casing must be kept, as shown in Fig. 08. Damages due to noncompliance are excluded from the warranty.**
6. A complete oil change is not necessary! Check and fill up hydraulic oil level if after approximately 100,000 cycles the travel decreases or a blind rivet is not completely pulled. Observe the safety precautions.
7. Place the air riveter upright. Unscrew the bolt of the filler hole with the 3mm Allen key (Fig. 09). Check the seal washer for damages

and replace, if necessary.

8. Fill hydraulic oil up to the bottom edge of the thread (Fig. 10).
9. Only use hydraulic oil (ISO VG22) approved by the manufacturer. Please note: Never use brake fluid.
10. Do not hold the air riveter with open filler hole sideways or upside down, as air could enter the hydraulic system. In this case technical staff must bleed the air riveter.
11. Only close the filler hole with 3mm Allen key until no hydraulic oil is leaking (Fig. 09). Remove excess hydraulic oil around the filler hole.
12. **Maintenance and repair of the equipment only by technical maintenance staff.**

EC DECLARATION OF CONFORMITY

We, Chicago Pneumatic Tool Co, 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/CE).

Machine Name CP9883 & CP9884 Air Riveter

Machine Type Assembly tool for blind rivet - No other use is permitted.

Serial No. Tools with No. C-00501-2009 or higher

Technical Data

Air pressure 90 psi (6.3 bar)

Harmonized Standards Applied EN792-1

Name and Position of Issuer Bruno Blanchet, General Manager

Signature of Issuer _____

Date of Issue June 1, 2009

Noise & Vibration Declaration*

Sound pressure level <70 dB(A) impacting, uncertainty 3 dB(A), in accordance with ISO 15744-2002. For sound power, add 11 dB(A). Vibration value <2.5 m/s², re. ISO 8662-1.

For making estimates of daily vibration exposures, useful information may be found in CEN/TR 15350: 2006, "Mechanical vibration - Guideline for the assessment of exposure to hand-transmitted vibration using available information including that provided by manufacturers of machinery"

*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 Tool Co. LLC 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/6.3 bar or as stated on tool nameplate.

Entanglement Hazards

- ⚠ Keep loose articles of clothing, long hair and cleaning materials away from the tool when in use.
- ⚠ Do not wear jewelry or loose clothing.

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.
- ⚠ Always operate against a workpiece, otherwise parts will be ejected from the front of the tool.
- ⚠ Never use without the stem collector fitted.
- ⚠ This tool and its accessories must not be modified in any way.

Operating Hazards

- ⚠ Always shut off air supply, relieve hose of air pressure and disconnect tool from air supply when changing accessories.
- ⚠ Operators and maintenance personnel must be physically able to handle the bulk, weight and power of the tool.
- ⚠ Hold the tool correctly: be to counteract sudden movement.
- ⚠ Always operate with the Nosepiece correctly assembled, otherwise there is a risk of finger crushing.
- ⚠ Use only the recommended sizes and types of rivet. Use with other sizes may be hazardous.
- ⚠ Ensure that the workpiece is properly supported.

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.
- ⚠ Maintain a balanced body position and secure footing.
- ⚠ High sound levels can cause permanent hearing loss. Use hearing protection as recommended by your employer or occupational health and safety regulations.
- ⚠ 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.
- ⚠ Proceed with care in unfamiliar surroundings. Be aware of potential hazards created by your work activity. Hidden hazards may exist, such as drilling into electric or other utility lines. This tool is not insulated for coming into contact with electric power sources.
- ⚠ This tool is not recommended for use in explosive atmospheres.



⚠ 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

DO NOT DISCARD - GIVE TO USER

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• 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 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. 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.

▲ Entanglement hazards

Keep loose articles of clothing, long hair and cleaning materials away from the tool when in use.

- Do not wear jewellery or loose clothing.

▲ Projectile hazards

Always shut off air supply, relieve hose of air pressure and disconnect tool from air supply when changing accessories.

- Failure of the workpiece, accessory, retainer or even of the tool itself could 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.

- Ensure that the workpiece is securely fixed.
- Always operate against a workpiece, otherwise parts will be ejected from the front of the tool.
- Never use without the stem collector fitted.

▲ 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.

- 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 sudden movements – have both hands available.
- Always operate with the nose piece fitted, otherwise there is a risk of finger crushing.
- Use only the recommended sizes and types of rivets. Use with other sizes may be hazardous.

▲ 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.

▲ 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.

- Proceed with care in unfamiliar surroundings. Hidden hazards may exist, such as 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.