



## OPERATING MANUAL • WARNING INFORMATION • PARTS LIST



### **! WARNING**

Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

- lead from lead-based paints,
- crystalline silica from bricks and cement and other masonry products, and
- arsenic and chromium from chemically-treated lumber.

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 those dust masks that are specially designed to filter out microscopic particles.

### **SPECIFICATIONS**

Blows per minute	4,250 BPM
Number of Needles	12 Pc.
Needle Diameter	.3mm
Vibration Level, m/s <sup>2</sup> c	11.4 m/s <sup>2</sup>
Air Inlet	1/4"-18 NPT
Min. Hose Size	3/8" I.D.
Avg. Air Cons.	.5 CFM
Recom. Air Pressure	90 psiG (6.2 bar)
Weight	2.5 lbs.
Length	12.5"
Sound Level	99 dBA

### **! WARNING**

- MAX. AIR PRESSURE:  
90 PSIG, 6.2 BAR



RPM OF THE ACCESSORY  
MUST EXCEED TOOL RPM



ALWAYS READ  
INSTRUCTIONS BEFORE  
USING POWER TOOLS



ALWAYS WEAR  
SAFETY GOGGLES



ALWAYS WEAR HEARING  
PROTECTION



ALWAYS WEAR FACE  
PROTECTION



ALWAYS WEAR HAND  
PROTECTION



AVOID PROLONGED  
EXPOSURE TO VIBRATION

## FAILURE TO OBSERVE THESE WARNINGS COULD RESULT IN INJURY

**THIS INSTRUCTION MANUAL CONTAINS IMPORTANT SAFETY INFORMATION.**

**READ THIS INSTRUCTION MANUAL CAREFULLY AND UNDERSTAND ALL INFORMATION BEFORE OPERATING THIS TOOL.**

- It is the responsibility of the owner to make sure all personnel read this manual prior to using the device. It is also the responsibility of the device owner to keep this manual intact and in a convenient location for all to see and read. If the manual or product labels are lost or not legible, contact Cornwell Tools for replacements. If the operator is not fluent in English, the product and safety instructions shall be read and discussed with the operator in the operator's native language by the purchaser/owner or his designee, making sure that the operator comprehends its contents.

- Always operate, inspect and maintain this tool in accordance with American National Standards Institute Safety Code for Portable Air Tools (ANSI B186.1) and any other applicable safety codes and regulations.

- For Safety, top performance and maximum durability of parts, operate this tool at 90 psig/6.2 bar max air pressure with 3/8" diameter air supply hose.

- Always wear impact resistant eye & face protection (users & bystanders) when operating or performing maintenance on this tool.

- Always wear hearing protection when using this tool (users & bystanders). High sound levels can cause permanent hearing loss. Use hearing protection as recommended by your employer or OSHA regulation.

- Keep the tool in efficient operating condition.

- Operators and maintenance personnel must be physically able to handle bulk, weight and power of this tool.

- Keep tool out of reach of children.

- Air powered tools can vibrate during use. Extended exposure to vibration, repetitive motions or uncomfortable positions during use may be harmful to your hands and arms. Discontinue use of tool if discomfort, tingling feeling or pain occurs. Seek medical advice before resuming use.

- Compressed air can cause severe injury. Never direct air at yourself or others. Always turn off the air supply, drain hose of air pressure and detach tool from air supply before installing, removing or adjusting any part or accessory on this tool, or before performing any maintenance on this tool. Failure to do so could result in injury.

- Whip hoses can cause serious injury. Always check for and replace immediately any damaged, frayed or loose hoses and fittings.

- Do not operate a damaged or worn tool. Do not use quick-detach couplings at tool. See instructions for correct set-up.

- Do not point or indulge in any horseplay with this tool.

- Slipping, tripping and/or falling while operating air tools can be a major cause of serious injury or death. Be aware of excess hose left on walking or work surface.

- Keep body working stance balanced and firm. Do not overreach when operating this tool.



- Anticipate and be alert for sudden changes in motion during use of any power tool.



- Do not carry tool by hose. Protect the hose from sharp objects and heat.



- Note direction of rotation BEFORE operating this tool.



- Tool shaft may continue to reciprocate briefly after throttle is released. Avoid direct contact with accessories during and after use. Gloves will reduce the risk of cuts or burns.



- Keep away from reciprocating end of tool. Do not wear jewelry or loose clothing. Secure long hair. Scalping can occur if hair is not kept away from tool and accessories. Choking can occur if neckwear is not kept away from tool and accessories.



- Do not lock, tape or wire the "on/off" safety lever in the "on" position, as the lever must be free to return to the "off" position when released.**



- This tool is not insulated against electric shock.



- This tool must not be used in explosive atmospheres.



- Do not lubricate tools with flammable or volatile liquids such as kerosene, diesel or jet fuel.



- Do not force tool beyond its rated capacity.



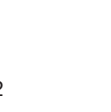
- Do not remove any labels. Replace damaged labels.



- Use only approved replacement parts and accessories recommended by Cornwell Tools.



- Servicing and repairs should only be made by an authorized service center.

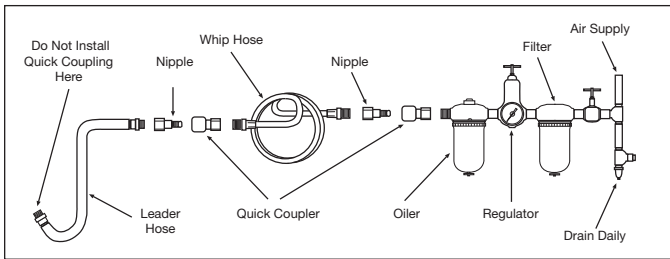


- Do not use (or modify) the tool for any other purpose than that for which it was designed without consulting the manufacturer's authorized representative.

- Failure to heed these warnings may result in personal injury and/or property damage.

**WARNING:** This product can expose you to chemicals including nickel, which is known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).





## AIR SUPPLY

Tools operate on a wide range of air pressures. It is recommended that air pressure measures 90 psig at the tool with the trigger fully depressed and no load applied to the tool. Higher pressure (over 90 psig; 6.2 bar) raises performance beyond the rated capacity of the tool, which will shorten tool life and could cause injury.

Always use clean, dry air. Dust, corrosive fumes and/or water in the air line will cause damage to the tool. Drain water from air lines and compressor prior to running tool. Clean the air inlet filter screen weekly. The recommended hookup procedure can be viewed in the above figure.

The air inlet used for connecting air supply has standard 1/4" NPT. Line pressure should be increased to compensate for unusually long air hoses (over 25 feet). Minimum hose diameter should be 3/8" I.D. and fittings should have the same inside dimensions and be tightly secured.

Always turn off the air supply, drain hose of air pressure and detach tool from air supply before installing, removing or adjusting any part of accessory on this tool, or before performing any maintenance on this tool.

Ensure an accessible emergency shut off valve has been installed in the air supply line and make others aware of its location.

## LUBRICATION

Lubricate the air motor daily with high quality air tool oil. If no air line oiler is used, run 1/2 oz. of oil through the tool. The oil can be squirted into the tool air inlet or into the hose at the nearest connection to the air supply, then run the tool. A rust inhibitive oil is acceptable for air tools.

**WARNING:** After an air tool has been lubricated, oil will discharge through the exhaust port during the first few seconds of operation. The exhaust port must be covered with a towel before applying air pressure to prevent serious injury.

## TROUBLESHOOTING

Other factors outside the tool may cause loss of power or erratic action. Reduced compressor output, excessive drain on the air line, moisture or restrictions in air pipes or the use of hose connections of improper size or poor conditions may reduce air supply. Grit or gum deposits in the tool may cut power and may be corrected by cleaning the air strainer and flushing out the tool with gum solvent oil or an equal mixture of SAE #10 and kerosene. If outside conditions are in order, disconnect tool from hose and take tool to your nearest authorized service center.

## OPERATION

**OPERATION NOTE:** 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.

Ensure an accessible emergency shut off valve has been installed in the air supply line and make others aware of its location.

Ensure the work piece is securely fixed.

Always place the needle tube onto the tool and hold tool down to the work before operating. Damage to the tool may result if this precaution is not followed.

To avoid injury, the throttle must never be depressed unless the needles are held firmly against the work place. Do not use wire or any other fixing to lock the throttle lever in the on/open position.



**NOTE:** During operation, safety goggles should always be worn to guard against flying debris (users and bystanders).

Make sure needle tube (#20) is tightened securely on cylinder (#14) before operating tool.

### To Change Needles:

1. Remove needle tube (#20) and slide the needle holder (#18) out of tube.
2. Remove old needles from holder and insert new ones. The holes in the needle holder are countersunk; make sure needles drop inside holder so that top of needle is flush with top of holder.

**Never use dull, chipped or damaged accessories.** Never cool a hot accessory in water as brittleness and early failure can result. Accessory breakage or tool damage may result from prying. Take smaller bites to avoid getting stuck.

**NOTE:** Never operate tool until inspected and confirmed needles are properly secured in the tool.

**Never operate tool until inspected and confirmed needles are properly secured in the tool.**



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## WARRANTY COVERAGE

Cornwell Quality Tools Company ("Cornwell") warrants this product against defects in material and workmanship for a period of ONE (1) YEAR from the date of original retail purchase. Subject to the conditions and limitations set forth below, Cornwell will, at its option, either repair or replace any part of the product(s) that proves defective by reason of improper workmanship or materials.

This warranty does not cover any damage to this product that results from accident, abuse, misuse, natural or personal disaster, or any unauthorized disassembly, repair, or modification. Repairs, disassembly and modification are only authorized to be made by Cornwell or a Cornwell Authorized Warranty Center.

## WARRANTY SERVICE

In order to have your tool repaired, return the tool to any Cornwell Authorized Warranty Center, freight prepaid. Please include a copy of your proof of purchase and a brief description of the problem. The tool will be inspected and if any part or parts are found to be defective in material or workmanship, they will be repaired free of charge, and the repaired tool will be returned to you freight prepaid.

## EXCLUSIONS AND LIMITATIONS

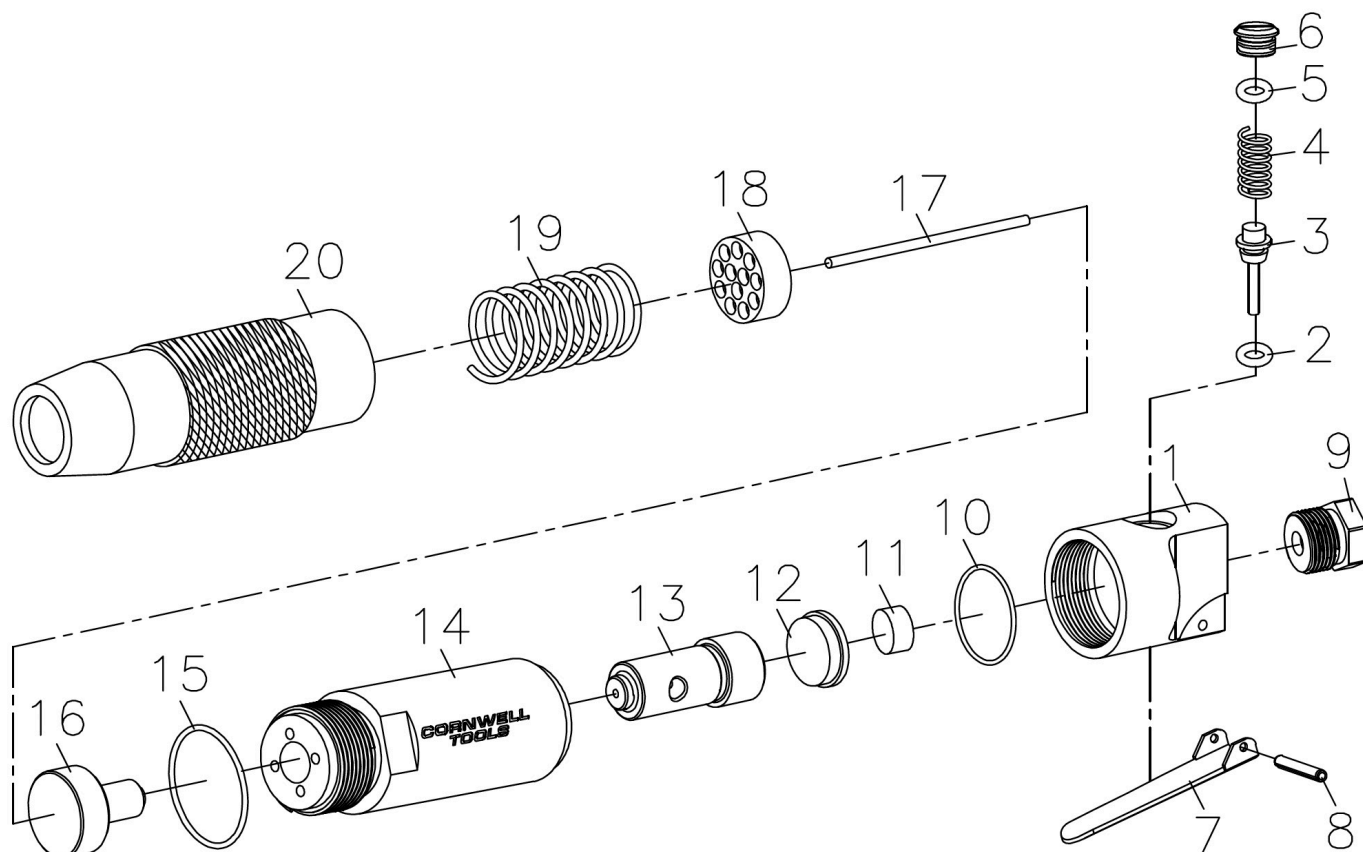
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Some states do not allow the exclusion or limitation of incidental or consequential damages or exclusions or limitation on the duration of implied warranties or conditions, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights, and you may also have other rights that vary by state.

Repair kits and replacement parts are available for many Cornwell products, regardless of whether or not the product is still covered by a warranty plan.

## PARTS LIST



Item	Part No	Parts Name	Qty
1	RS24301	Valve Housing	1
2	RS848005	O-Ring (4.9 x 2.2)	1
3	RS24303	Valve Seat	1
4	RS24304	Spring	1
5	RS240013	O-Ring (10 x 2)	1
6	RS240014	Valve Cap	1
7	RS24305	Safety Lever	1
8	RS24306	Spring Pin (3 x 22)	1
9	RS24307	Air Inlet	1
10	RS24308	O-Ring	1
11	RS24309	Rubber Cushion	1

Item	Part No	Parts Name	Qty
12	RS24310	Rear Valve Block	1
13	RS24312	Piston	1
14	RS24313	Cylinder	1
15	RS24314	O-Ring	1
16	RS24315	Needle Driver	1
17	RS24316A	Needle Set (12 pack)	1
18	RS24318	Needle Holder	1
19	RS24319	Spring	1
20	RS24321	Needle Tube	1
not shown	RSCAT120PLK	Product Warning Label	1