

- Operating Instructions
- Warning Information
- Parts Breakdown



! 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.

! WARNING



ALWAYS READ INSTRUCTIONS BEFORE USING POWER TOOLS



ALWAYS WEAR SAFETY GOGGLES



WEAR HEARING PROTECTION



AVOID PROLONGED EXPOSURE TO VIBRATION

SPECIFICATIONS

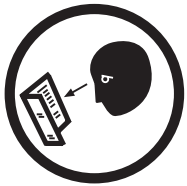
Speed 20,000 RPM	Wheel Size 3" x 1/16" x 3/8"
Cutting Depth 1"	Rec. Air Pressure . . 90 psig (6.2bar)
Weight 1.78 Lbs.	Avg. Air Consumption 5 CFM
Length 7-1/2"	Air Inlet Size 1/4" NPT

RL500 3" Cut-Off Tool

⚠ WARNING - READ AND UNDERSTAND ALL INSTRUCTIONS!

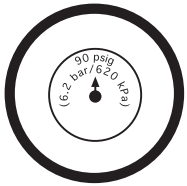
FAILURE TO FOLLOW ALL INSTRUCTIONS LISTED BELOW MAY RESULT IN SERIOUS PERSONAL INJURY

SAVE THESE INSTRUCTIONS



This Instruction Manual Contains Important Safety Information.

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



- Always operate, inspect and maintain this tool in accordance with American National Standards Institute Safety Code of 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 and face protection when operating or performing maintenance on this tool. Always wear hearing protection when using this tool.



- 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 the bulk, weight and power of this tool.
- Air under pressure 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 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 damaged, frayed or loose hoses and fittings, and replace immediately. Do not use quick detach couplings at tool. See instructions for correct set-up.



- Air powered tools can vibrate in use. Vibration, repetitive motions or uncomfortable positions over extended periods of time 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.



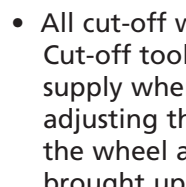
- Place the tool on the work before starting the tool. Do not point or indulge in any horseplay with this tool.
- Slipping, tripping and/or falling while operating air tools can be a major cause of serious injury or death. Be aware of excess hose left on the walking or work surface.



- Keep body working stance balanced and firm. Do not overreach when operating the tool.
- Anticipate and be alert for sudden changes in motion during start up and operation of any power tool.

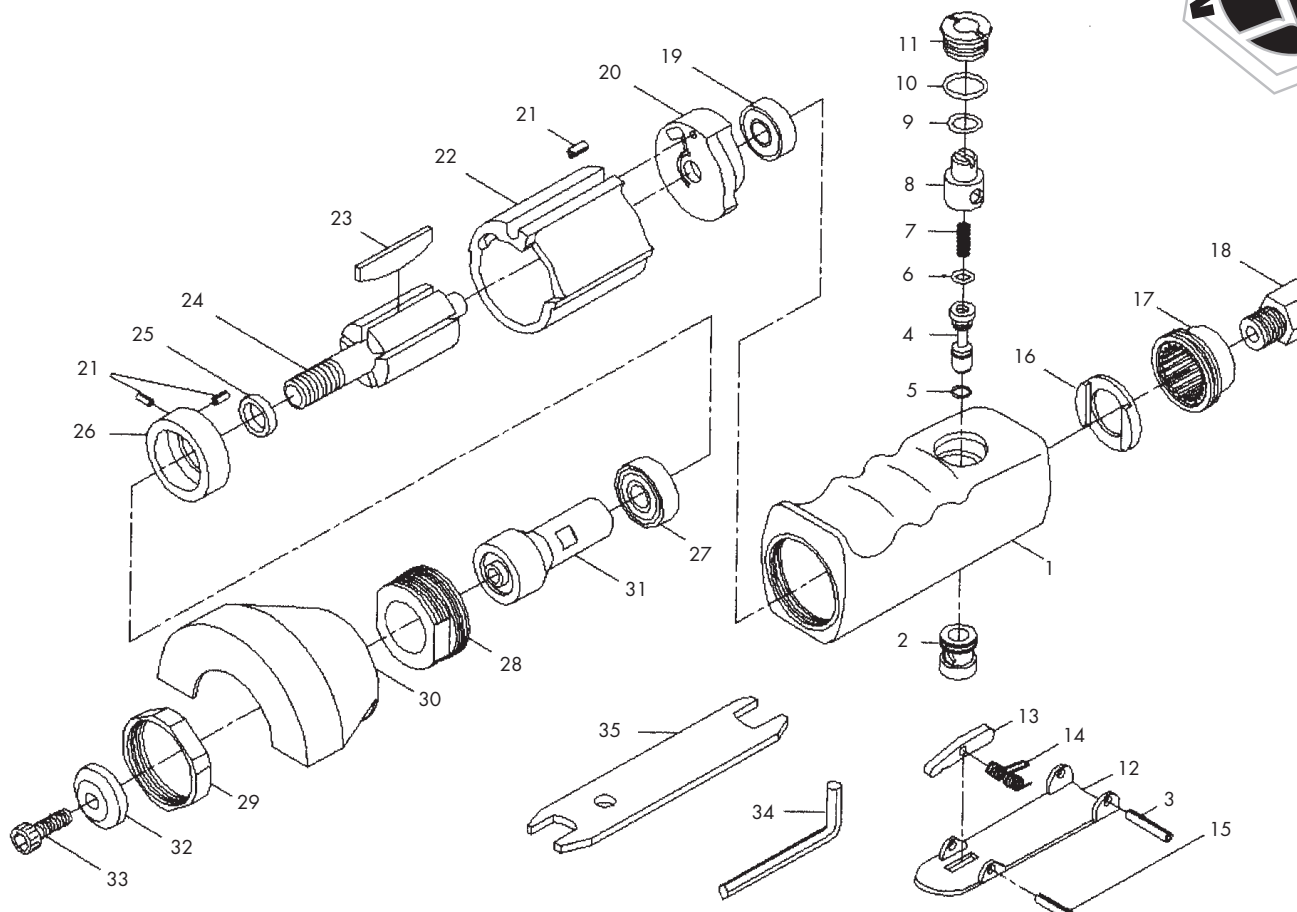


- Do not carry tool by the hose. Protect the hose from sharp objects and heat.
- Tool shaft may continue to rotate briefly after throttle is released. Avoid direct contact with accessories during and after use. Gloves will reduce the risk of cuts or burns.



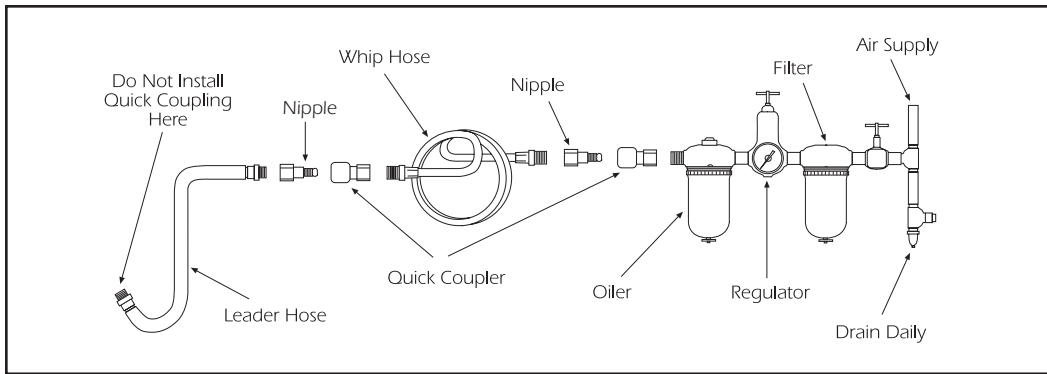
- Keep away from rotating end of tool. Do not wear jewelry or loose clothing. Secure long hair. Scalping can occur if hair is not kept away from tool and accessories. Choking can occur if neckwear is not kept away from tool and accessories.

- All cut-off wheels must be used with a wheel guard. Cut-off tools must be disconnected from the air supply when mounting or removing any wheel or adjusting the wheel guard. After properly mounting the wheel and guard, the cut-off tool should be brought up to full speed and run for at least one minute in a protected enclosure.
- Avoid direct contact with work surface during and after work.
- Cutting edges can become hot during use. Do not touch.
- Never force the tool to cut faster or through heavier gauge material than rated capacity.
- Do not lubricate tools with flammable or volatile liquids such as kerosene, diesel or jet fuel.



RL500 3" Cut-Off Tool

Ref. No.	Part No.	Description	Qty.	Ref. No.	Part No.	Description	Qty.
1	98101	Motor Housing	1	19	21114	Ball Bearing	1
2	98102	Valve Bushing	1	20	98120	Rear End Plate	1
3	98103	Lever Pin	1	21	98121	Pin	1
4	98104	Valve Stem	1	22	98122	Cylinder	1
5	98105	O-Ring	1	23	98123	Rotor Blade	1
6	98106	O-Ring	1	24	98124A	Rotor	1
7	98107	Spring	1	25	98125	Rotor Spacer	1
8	98107	Regulator	1	26	98126	Front End Plate	1
9	98109	O-Ring	1	27	10920	Ball Bearing	1
10	98110	O-Ring	1	28	98128	Lock Nut	1
11	98111	Valve Screw	1	29	98201	Lock Nut	1
12	98112	Throttle Lever	1	30	98202	Protector Guard	1
13	98113	Stop Rod	1	31	98203	Spindle	1
14	98114	Spring	1	32	98204	Spacer	1
15	98115	Pin	1	33	98205	Hex. Screw	1
16	98116	Silencer	1	34	98206	Hex Wrench	1
17	98117	Deflector	1	35	98207	Spanner Wrench	1
18	98118	Air Inlet	1				



AIR SUPPLY...

Tools of this class operate on a wide range of air pressures. It is recommended that air pressure of these tools measures 90 PSI at the tool while running free. Higher pressure (over 90 psig; 6.2 bar) raises performance beyond the rated capacity of the tool which will shorten the tool's life because of faster wear 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 the air tank daily. Clean the air inlet filter screen on at least a weekly schedule. 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.

LUBRICATION...

Lubricate the air motor daily with quality motor oil. If no air line oiler is used, run a teaspoon 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. The oil plug is ONLY for adding standard SAE 10 or 20 grade oil after repair or maintenance of the impact mechanism. The amount of oil to be used is 1 ounce. Overfilling will cause a reduction in the power of the tool.

OPERATION...

When using the cut-off tool be careful not to exert excessive force. Too much force could be hazardous if it causes the cutting tool spindle to bend or break.

The burning of the work piece or excessive speed reduction indicates too much force being applied. Changing to a free cutting tool may be better for the desired rate of speed and stock removal.

Avoid hazardous conditions by making sure there is sufficient force on the spindle of the cutting tool by placing the spindle 7/16" or more inside the collet.

To Install Grinding Wheel:

1. Remove hex screw (#33) and washer (#32)
2. Place grinding wheel on the center of the spindle.
3. Replace hex screw and washer. Tighten securely with allen wrench (#34)

