- **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

Free Speed	20,000 RPM
Air Inlet	1/4 NPT
Hose Size	3/8" I.D.
Air Pressure	90 PSI
Air Consumption	5 CFM
Sound Level	78 dBA
Length	7-7/8"
Net Weight	2.2 Lbs.

RL838

AIR KNIFE

WARNING!

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.

- 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.

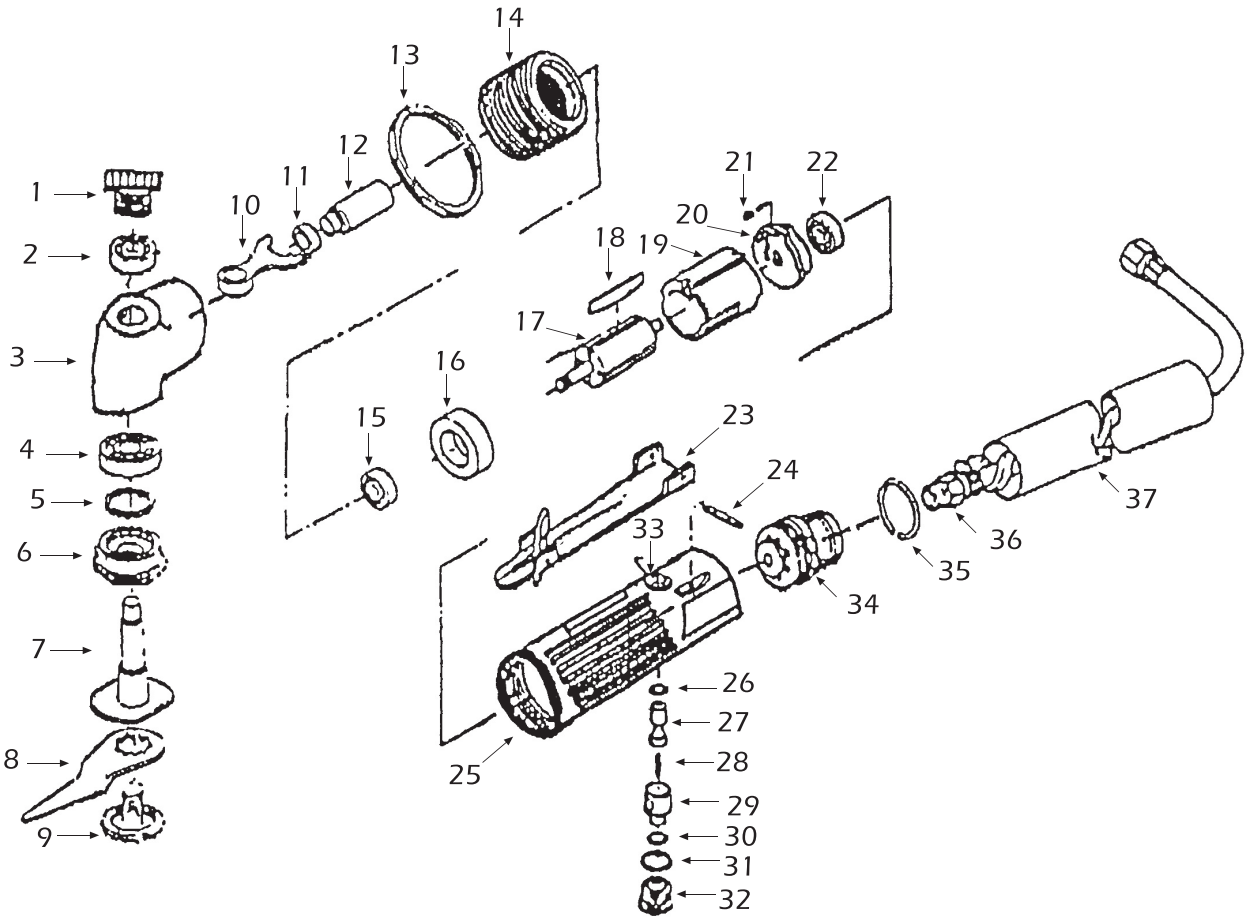
- Keep the tool in efficient operating condition.
- Operators and maintenance personnel must be physically able to handle the bulk, weight and power of this tool.
- Air under pressure can cause severe injury. Never direct air at yourself or others. Always turn off the air supply, drain hose of air pressure 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.
- 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.
- Cutting with these tools will create sharp edges. Wear gloves to protect hands.
- Avoid direct contact with accessory and 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.
- Don't force tool beyond its rated capacity.
- Do not remove any labels. Replace any damaged labels.

RL838
Air Knife



Ref. #	Item #	DESCRIPTION	QTY
1	24801	Plug	1
2	108A12	607 Ball Bearing	1
3	24803	Head	1
4	24804	6900 Ball Bearing	1
5	24805	Oil Seal	1
6	24806	Nut Clamp	1
7	24807	Spindle Drive	1
8	87446	Blade 57mm (2-1/4")	1
9	24809	Screw Retainer	1
10	24810	Fork Drive	1
11	108A12	607 Ball Bearing	1
12	24812	Shaft Crank	1
13	24813	Nut	1
14	24814	Retainer	1
15	10920	6000 Ball Bearing	1
16	24816	Front Plate	
17	24817	Rotor	1
18	24818	Rotor Blade	1
19	24819	Cylinder	1

Ref. #	Item#	DESCRIPTION	QTY
20	24820	End Plate	1
21	24821	Pin	1
22	24822	826 Ball Bearing	1
23	24823	Throttle Lever	1
24	24824	Lever Pin	1
25	24825	Housing	1
26	24826	O-Ring	1
27	24827	Valve Stem	1
28	24828	Valve Spring	1
29	24829	Air Regulator	1
30	24830	O-Ring	1
31	24831	O-Ring	1
32	24832	Throttle Valve Plug)	1
33	24833	Valve Bushing	1
34	24834	Throttle Arbor	1
35	24835	Stop Ring	1
36	24836	Air Hose Assembly 1/4	1
37	24837	Exhaust Hose	1
39	24839	Hexagon Wrench Key (Not shown)	1

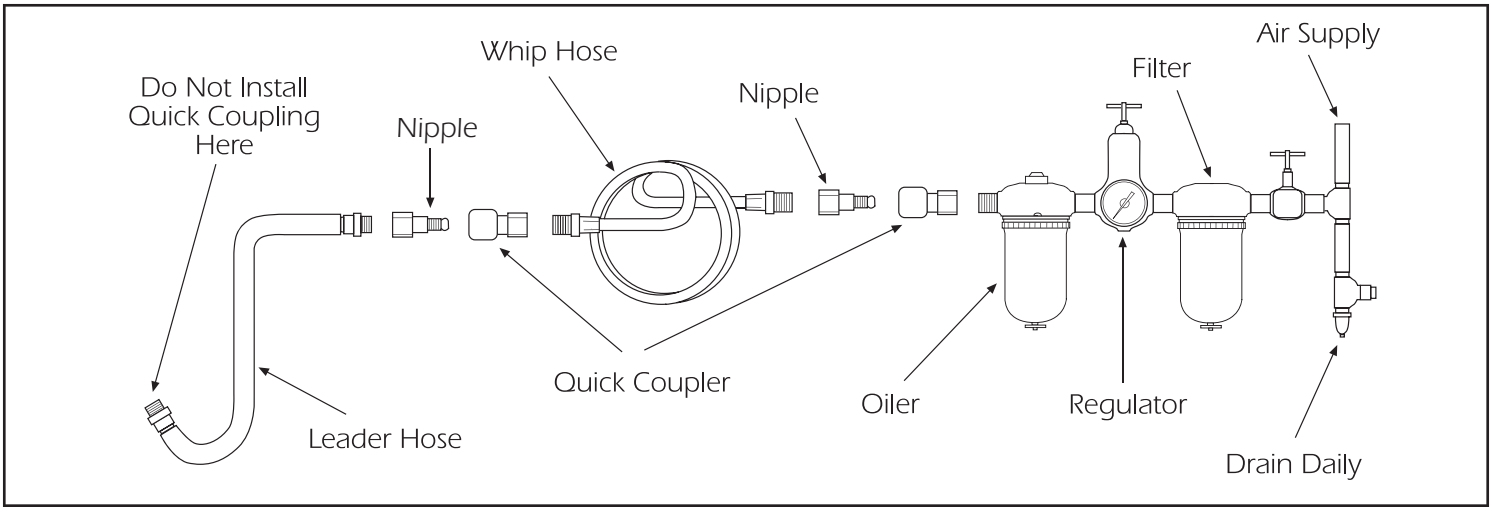


Figure 2

AIR SUPPLY

Tools of this class operate on a wide range of air pressures. It is recommended that air pressure of these tools measure 90 PSI at the tool while running free. Higher pressure and unclean air will shorten the tool's life because of faster wear and may create a hazardous condition.

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 hook-up procedure can be viewed in Figure 2.

The air inlet (Figure 1), used for connecting air supply, has standard 1/4" NPT American Thread.

Line pressure should be increased to compensate for unusually long air hoses (over 25 feet). Minimum hose diameter should be 1/4" I.D. and fittings should have the same inside dimensions.

LUBRICATION & MAINTENANCE

Lubricate the tool daily with a good grade of air tool 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 (A) Figure 1, 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.

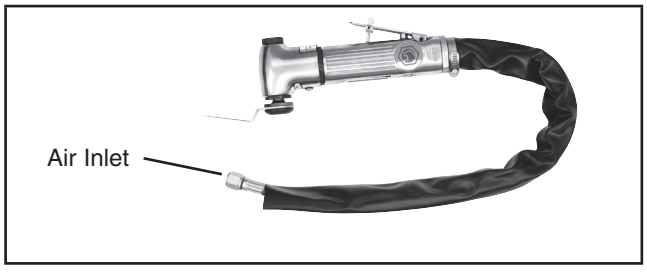


Figure 1

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. If outside conditions are in order, disconnect tool from hose and take tool to your nearest Matco authorized service center.

WARRANTY

Matco warrants its air tools for a period of 1 year to the consumer. We will repair any air tool covered under this warranty which proves to be defective in material or workmanship during the warranty period. In order to have your tool repaired, return the tool to any Matco 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.

This warranty gives you specific rights. You may also have other rights which vary from state to state.

The foregoing obligation is Matco's sole liability under this or any implied warranty and under no circumstances shall Matco be liable for any incidental or consequential damages.

Note: Some states do not allow the exclusion or limitation of incidental or consequential damages so the above limitation or exclusion may not apply to you.