RECIPROCATING AIR SAW

PNEUMATIC TOOL INSTRUCTION MANUAL

THIS MANUAL CONTAINS IMPORTANT INFORMATION REGARDING SAFETY, OPERATION, MAINTENANCE AND STORAGE OF THIS PRODUCT. BEFORE USE, READ CAREFULLY AND UNDERSTAND ALL CAUTIONS, WARNINGS, INSTRUCTIONS AND PRODUCT LABELS. FAILURE TO DO SO COULD RESULT IN SERIOUS PERSONAL INJURY AND/OR PROPERTY DAMAGE.

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CONGRATULATIONS!

Thanks for choosing this product. Our aim is to provide you with quality products at an affordable price, and we want you to be totally satisfied with your product and our Customer Service. Properly cared for, this tool will give you many years of satisfaction.

INTENDED USE

This tool is intended for consumer use only

GENERAL SAFETY RULES

WARNING **READ AND UNDERSTAND ALL INSTRUCTIONS.** Failure to follow all instructions listed may result in serious personal injury.

SAVE THESE INSTRUCTIONS FOR FUTURE REFERENCE.

RECOGNISE SAFETY SYMBOLS, WORDS AND LABELS

The safety instructions provided in this manual are not intended to cover all possible conditions and practices that may occur when operating, maintaining and cleaning tools.

Always use common sense and pay particular attention to all the **DANGER, WARNING, CAUTION** and **NOTE** statements of this manual.

This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

DANGER DANGER indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.

WARNING WARNING indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.

Caution CAUTION indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.

Caution CAUTION used without the safety alert symbol indicates a potentially hazardous situation which, if not avoided, may result in property damage.

NOTE NOTE provides additional information that is useful for proper use and maintenance of this tool. If a NOTE is indicated make sure it is fully understood.

IMPORTANT SAFEGUARDS

⚠ DANGER

WARNING: Some dust created by power sanding, sawing, grinding, drilling and other construction activities contains chemicals known to the State of California 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 dust masks that are specially designed to filter out microscopic particles.

SERVICE

⚠ Caution

Tool service must be performed only by qualified repair personnel. Service or maintenance by unqualified personnel could result in a risk of injury.

When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual. Use of unauthorized parts or failure to follow Maintenance Instructions may create a risk of shock or injury.

SPECIFIC SAFETY RULES AND/OR SYMBOLS

⚠ Caution

Maximum operating pressure is 90 PSI. Never use higher air pressure to increase the output of the Air Body Saw. Overloading will drastically shorten the life of all internal parts.

Disconnect Air Body Saw from power air supply before servicing or changing accessories.

IMPORTANT SAFETY RULES FOR AIR TOOLS

Caution

BEFORE OPERATING YOUR AIR TOOL, READ THE FOLLOWING INFORMATION:

Always inspect, maintain and operate in accordance with ANSI safety code for portable air tools (ANSI B186.1) and other local safety codes and regulations.

Do not operate this tool over 90 PSI air pressure at the tool.

Always wear safety goggles when operating this tool.

Always disconnect this tool from the air supply before installing, adjusting or removing any accessory in this tool, or before performing maintenance.

Always use a dust mask in dusty conditions.

User and bystanders must wear suitable hearing protection when this tool is in use.

Do not carry any air tool by the hose. Keep air hose away from heat and sharp objects.

Continuous use of vibrating air tools by susceptible users may cause damage to hands.

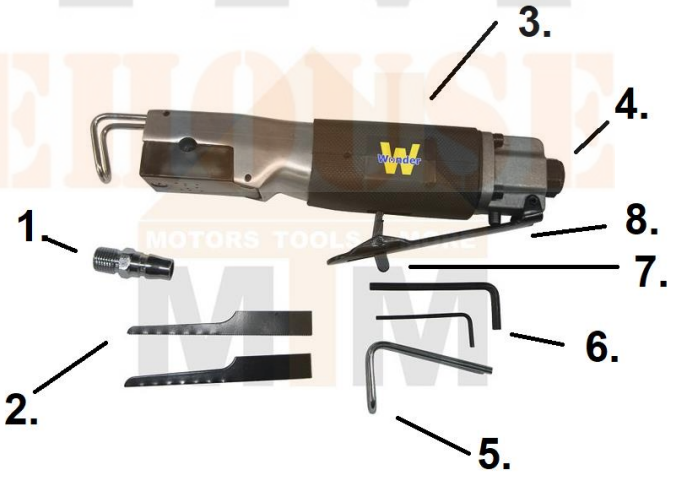
Always wear gloves and protective clothing to help prevent injury from flying particles.

Always lubricate and maintain tool in safe operating conditions.

FUNCTIONAL DESCRIPTION

CONTROLS AND COMPONENTS:

1. Air Fitting
2. Saw Blades
3. Housing
4. Air Inlet
5. Supporter
6. Hex Socket Key
7. Safety Lock
8. Throttle lever



ASSEMBLY

⚠WARNING

Always disconnect this tool from the air supply before installing, adjusting or removing any accessory in this tool, or before performing maintenance.

Failure to do so could result in injury.

Check the speed rating on all accessories. Accessories must never be run at a higher speed than they were designed to handle.

1. Remove protective cap from the air inlet. Mount male plug by hand into air inlet.
2. Place 2-3 drops of lubricant into the male plug before each operation.
3. Release the screw to open the chuck cover.
4. Loosen the screws on both sides and insert saw blade into the blade chuck.
5. Make sure the blade aligned correctly and securely.
6. Tighten the screws to place the blade in a fixed stable position.
7. Close the chuck cover and tighten.
8. Blow air out in the line to remove excess material or moisture. Connect the tool to an air source by connecting the air hose to the air inlet. Set air pressure to 90psi.

OPERATION

⚠WARNING Make sure that the air saw is properly lubricated. See "Lubrication" in the maintenance section. Only use qualified saw blades that have an RPM rating equal to or greater than the tool itself.

1. Push the safety lock forward while, at the same time, apply pressure on the lever.
   Note: the tool speed can be adjusted by rotating the valve screw in either the clockwise or counter-wise direction with a screwdriver.

To adjust the dept of cut:

Note: The support functions as a guide to determine cut depth. This can be adjusted to the required cut dept.

1. Loosen the screw on both sides for the supporter with the hex key.
2. Pull the supporter till to the desired height.
3. Tighten the screw and make sure the supporter is set correctly and securely.

SPECIFICATIONS

Cutting Capacity (steel)	1.5mm
Average Air Consumption	4.2CFM @ 90PSI
Air Exhaust	Front
Stroke per min	9,000
Minimum Hose Size	3/8”
Weight	1.43lb (0.65kg)
Air Pressure	90PSI (6.2Bar)
Air Inlet	1/4"

MAINTENANCE

AIR SUPPLY

Always use clean dry air as excessive moisture will lower the available torque and rust the interior moving parts. Make sure all hoses and fittings are of the recommended size and be sure the units are not used with less than or more than the recommended pressure at the tool! (90 PSI)

LUBRICATION

Proper lubrication of this air tool is critical to the operation and life of the unit. Units can be severely damaged or have excessive wear placed on working parts if not lubricated. We recommend the use of Marvel Mystery Oil which is available at most auto parts locations. The tool should be lubricated each time it is used. During daily prolonged use, lube heavily 3 or 4 times during the day.

MAINTENANCE

Daily – before putting the tool in operation, disconnect air hose and pour about one tablespoonful of Marvel Mystery Oil into tool air inlet. Blow out airline to clear it of accumulated dirt and moisture. Connect tool and operate tool to allow oil to be carried to the interior of the tool.

ACCESSORIES

Use only accessories that are recommended by the manufacturer for your model.

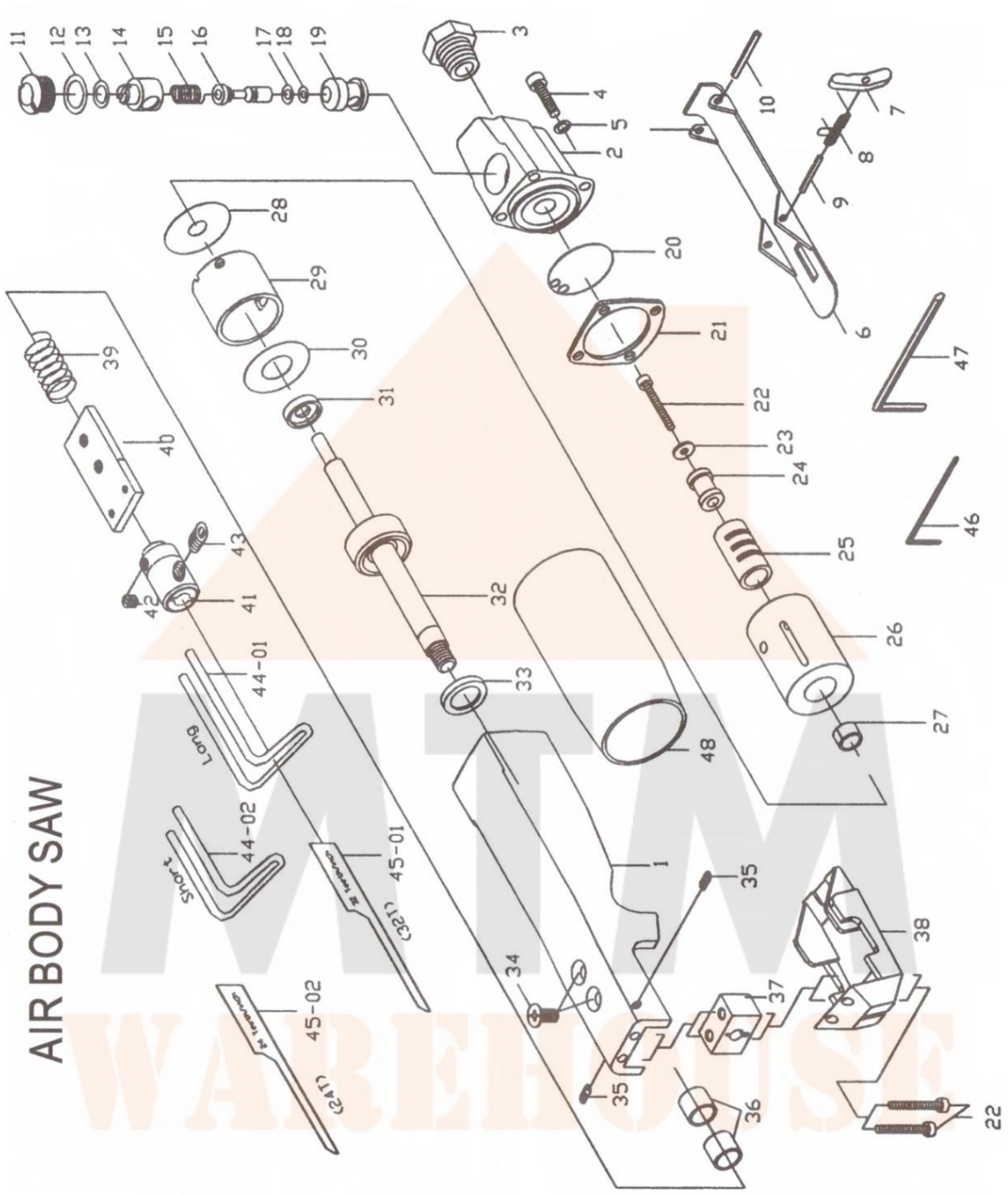
Accessories that may be suitable for one tool may become hazardous when used on another tool.

TROUBLESHOOTING

Most minor problems can be resolved quickly and easily using the troubleshooting table below.

PROBLEM	POSSIBLE CAUSE	SOLUTION
Unit will not work	Plugged air inlets Interior rusted	Remove fitting and clean Disassemble, clean, lube and reassemble
Unit lacks power	Low air supply Lack of lubrication	Check hoses, tanks, etc. Lube properly and retry
Internal parts	Dirty or gummed Components worn	Disassemble, clean, lube Disassemble, determine parts requiring replacement and repair

PARTS DIAGRAM



PARTS LIST

Ref.	Description	Q'ty	Ref	Description	Q'ty
1	Housing	1	26	Valve Case	1
2	Valve Block	1	27	Bush-A	1
3	Air Inlet	1	28	Gasket-B	1
4	Cap Screw	4	29	Cylinder	1
5	Spring Washer	4	30	Gasket-C	1
6	Throttle Lever	1	31	Rear Bumper	1
7	Safety Lever	1	32	Piston	1
8	Spring Pin-Safety	1	33	Front Bumper	1
10	Lever Pin-Lever	1	34	Screw	2
11	Valve Plug	1	35	Set Screw	2
12	O-Ring	1	36	Bush-B	2
13	O-Ring	1	37	Blade Guide	1
14	Air Regulator	1	38	Chuck Cover	1
15	Valve Spring	1	39	Spring	1
16	Valve Stem	1	40	Guide Plate	1
17	O-Ring	1	41	Blade Chuck	1
18	O-Ring	1	42	Set Screw-Chuck	2
19	Valve Bushing	1	43	Work Guide-Long	1
20	Gasket-A	1		Work Guide-Short	1
21	Packing	1	45	Saw Blade-32 Teeth	1
22	Cap Screw	3		Saw Blade-24 Teeth	1
23	Flat Washer	1	46	Hex Wrench-2mm	1
24	Actuate Valve	1	47	4mm Hex Wrench	1
25	Valve Sleeve	1	48	Rubber Wrap	1