TOOLSHOP®

207-4825





PNEUMATIC MULTI-FUNCTION TOOL

Operator's Manual

SAVE THIS MANUAL

You will need this manual for safety instructions, operating procedures and warranty. Put it and the original sales receipt in a safe dry place for future reference.

IMPORTANT SAFETY INSTRUCTIONS

WARNING: *Read and understand all instructions. Failure to follow all instructions listed below may result in electricshock, fire and/or serious injury.*

WARNING: *The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions or situations that could occur. It must be understood by the operator that common senseand caution are factors which cannot be built into this product, but must be supplied by the operator.*

READ ALL INSTRUCTIONS BEFORE USING THIS TOOL

1. Keep work area clean, free of clutter and well lit. Cluttered and dark work areas can cause accidents.
2. Do not use your tool where there is a risk of causing a fire or an explosion; e.g. in the presence of flammableliquids, gases, or dust. Power tools create sparks, which may ignite the dust or fumes.
3. Keep children and bystanders away while operating a power tool. Distractions can cause you to lose control, so visitorsshould remain at a safe distance from the work area.
4. Be aware of all power lines, electrical circuits, water pipes and other mechanical hazards in your work area, particularly those hazards below the work surface hidden from the operator's view that may be unintentionally contacted and may cause personal harm or property damage.
5. Be alert of your surroundings. Using power tools in confined work areas may put you dangerously close to cutting tools and rotating parts.
6. Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use a power tool while you are tired or under the influence of drugs, alcohol or medication. A moment of inattention while operating power tools may result in serious personal injury.
7. Dress properly. Do not wear loose clothing, dangling objects, or jewelry. Keep your hair, clothing and gloves away frommoving parts. Loose clothes, jewelry or long hair can be caught in moving parts. Air vents often cover moving parts andshould be avoided.
8. Use safety apparel and equipment. Use safety goggles or safety glasses with side shields which comply with currentnational standards, or when needed, a face shield. Use as dust mask in dusty work conditions. This applies to all personsin the work area. Also use non-skid safety shoes, hardhat, gloves, dust collection systems, and hearing protection whenappropriate.
9. Avoid accidental starting. Do not carry the power tool with your finger on the switch. Ensure the switch is in the off position before plugging tool into power outlet. In the event of a power failure, while a tool is being used, turn the switch off to prevent surprise starting when power is restored.
10. Do not over reach. Keep proper footing and balance at all times.
11. Remove adjusting keys or wrenches before connecting to the power supply or turning on the tool. A wrench or key thatis left attached to a rotating part of the tool may result in personal injury.



Use safety equipment. Non-skid safety shoes and a hard hat must be used for the applicableconditions. Wear heavy-duty work gloves during use, as well as a dusk mask in dusty conditions.



Always wear eye protection.



Always wear hearing protection when using the tool. Prolonged exposure to high intensity noise may cause hearing loss.

12. Use clamps or other practical ways to secure and support the workpiece to a stable platform. Holding the work by hand or against the body is unstable and may lead to loss of control.

IMPORTANT SAFETY INSTRUCTIONS

13. Disconnect the tool from the air source before making any adjustments, changing accessories, or storing the tool.
14. Maintain the tool with care. Keep a cutting tool sharp and clean. A properly maintained tool with sharp cutting edges reduces the risk of binding and is easier to control.

Note:Air source

Never connect to an air source that is capable of exceeding 90 PSI. Over pressurizing the tool may cause bursting, abnormal operation, breakage of the tool or serious injury to persons. Use only clean, dry, regulated compressed air at the rated pressure or within the rated pressure range as marked on the tool. Always verify prior to using the toolthat the air source has been adjusted to the rated air pressure or within the rated air-pressure range.

15. Never use oxygen, carbon dioxide, combustible gases or any bottled gas as an air source for the tool. Such gases are capable of explosion and serious injury to persons.
16. Only use with accessories rated to handle the forces exerted by this tool during operation. Other accessories not designed for the forces generated may break and forcefully launch pieces.
17. Avoid accidental injury. Keep hands and fingers safely away from the oscillating Scraper, Blades, Sanding Pad and Sandpaper when operating the tool.
18. Before each use make sure the Retainer(2) and Cap screw(1) are tightly secured for safe and efficient operation.
19. Attach all accessories properly to the tool before connecting the air supply. A loose accessory may detach or breakduring operation.
20. Obey the manual for the air compressor used to power this tool.
21. Install an in-line shutoff valve to allow immediate control over the air supply in an emergency, even if a hose is ruptured.
22. Replace bent or damaged blades.
23. Use this tool with both hands only. Using tools with only one hand can result in loss of control.
24. Do not lay the tool down until it has come to a complete stop. Moving parts can grab the surface and pull the tool out of your control.
25. This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or pemanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injury:
    - Anyone using vibrating tools regularly or for an extended period should first be examined by a doctor and thenhave regular medical check-ups to ensure medical problems are not being caused or worsened from use. Pregnant zdiabetes, or women orpeople who have impaired blood circulation to the hand, past hand injuries, nervous system disorders, Raynaud's Disease should not use this tool. If you feel any symptoms related to vibration (such as tingling, numbness, and white or blue fingers), seek medical advice as soon as possible.
    - Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
    - Wear suitable gloves to reduce the vibration effects on the user.
    - Use tools with the lowest vibration when there is a choice.
    - Include vibration-free periods each day of work.
    - Grip tool as tightly as possible (while still keeping safe control of it). Let the tool do the work.
    - To reduce vibration, maintain tool as explained in this manual. If abnormal vibration occurs, stop immediately.

SPECIFICATIONS

SPECIFICATIONS

Variable speed:	0-20,000 OPM
Oscillation angle:	1.5° [Left/Right]
Air pressure:	90 PSI
Sanding CFM:	3.5 CFM@40PSI 4.4CFM@90PSI
Cutting CFM:	3.5 CFM@40PSI 4.4CFM@90PSI
Hose size:	3/8”
Air inlet:	1/4” NPT
Machine weight:	1.70 lbs

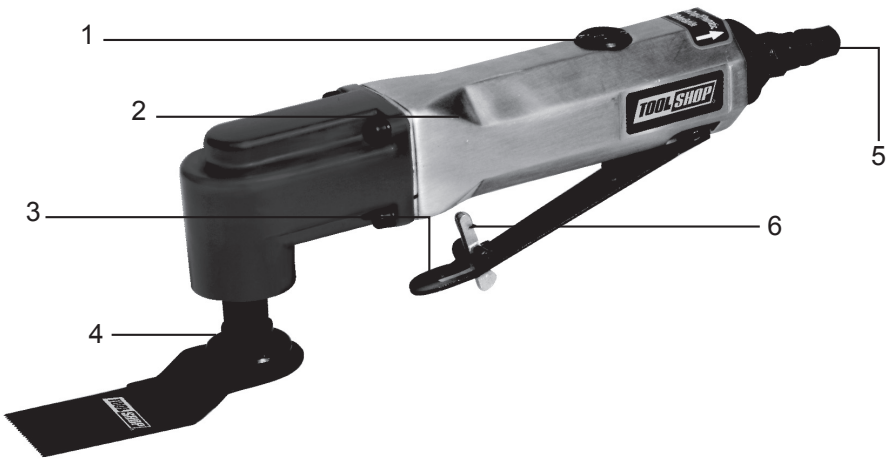
INCLUDES:

1pc pneumatic multi-function tool

21pc accessory kit

- 3-1/2” Half Moon Blade
- 2-1/2” Half Moon Diamond Grinding Disc
- 2” Rigid Scraper
- 2” Rigid Flush Scraper
- 1-1/2”, 3/4”, 3/8” Flush Cut Blades
- 3” Triangular Sanding Pad
- 12 pc.Sandpaper 60/80/100/120 Grit
- 1/4” NPT Quick-Connect Plug

FUNCTION DESCRIPTIONS



1.Airflow control knob
2.Die-Cast aluminum housing
3.Trigger lever
4.Spindle & Blade arbor
5.1/4” NPT Air inlet
6.Safety catch

OPERATING PROCEDURES

INITIALTOOLSET UP/ASSEMBLY

Read the ENTIRE IMPORTANT SAFETYINFORMATION

Section at the beginning of this manual including all text under subheadings therein before set up or use of this product.

Note: For additional information regarding the parts listed in the following pages, refer to the Assembly Diagram near the end of this manual.

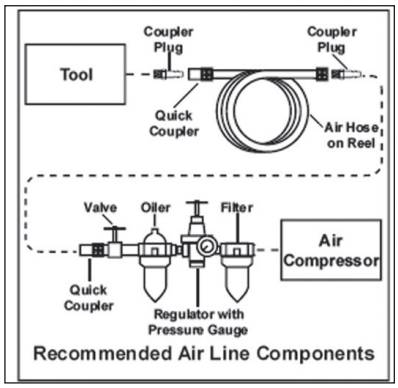
OPERATING PROCEDURES

Unpacking

Note: This air tool may be shipped with a protective plug covering the air inlet. Remove this plug before set up.

Air Supply

WARNING: ***TO PREVENT EXPLOSION*** *Use only clean, dry, regulated, compressed air to power this tool. Do not use oxygencarbon dioxide, combustible gases, or any other bottled gas as a power source for this tool.*



Recommended Air Line Components

Incorporate a filter, regulator with pressure gauge, oiler, in-line shutoffvalve, and quick coupler for best service, as shown in the diagram at left.An in-line shutoff ball valve is an important safety device because it controls the air supply even if the air hose is ruptured. The shutoff valve should bea ball valve because it can be closed quickly.

Note: If an automatic oiler system is not used, add a few drops ofpneumatic tool oil to the airline connection before operation.

Add a few more drops after each hour of continual use.

- Attach an air hose to the compressor's air inlet of the tool. Other components, such as a coupler plug and quick coupler, will make operation more efficient, but are not required.

WARNING: ***TO PREVENT SERIOUS INJURYFROM ACCIDENTAL OPERATION:*** *Do not install a female quick coupler on the tool. Such a coupler contains an air valve that will allow the air tool to retain*

PRESSURE AND OPERATE ACCIDENTALLY AFTER THE AIR SUPPLY IS DISCONNECTED.

Note: Air flow, and therefore tool perfomance, can be hindered by undersized air supply components.

1. The air hose must be long enough to reach the work area with enough extra length to allow free movement while working.
2. Turn the tool's throttle or switch to the off position; refer to Operation section for description of controls.
3. Close the in-line safety valve between the compressor and the tool.
4. Turn on the air compressor according to the manufacturer's directions and allow it to build up pressure until it cycles off.
5. Adjust the air compressor's output regulator so that the air output is enough to properly power the tool, but the output will not exceed the tool's maximum air pressure at any time. Adjust the pressure gradually , while checking the air output gauge to set the right pressure range.
6. Inspect the air connections for leaks. Repair any leaks found.
7. If the tool will not be used at this time, turn off and detach the air supply, safely discharge any residual air pressure, and release the throttle and/or turn the switch to its off position to prevent accidental operation.

Note: Residual air pressure should not be present after the air supply is disconnected. However, it is a good safety measure to attempt to discharge the tool in a safe fashion after disconnecting to ensure that the tool is unpowered.

OPERATING PROCEDURES

OPERATION:

Turn the tool off, detach the air supply, safely discharge any residual air pressure in the tool, and release the throttle and/or turn the switch to its off position before assembling or making any adjustments to the tool

WORK PIECE AND WORK AREA SET UP

1. Designate a work area that is clean and well-lit. The work area must not allow access by children or pets to prevent distraction and injury
2. Route the air hose along a safe path to reach the work area without creating a tripping hazard or exposing the power cord to possible damage. The power cord must reach the work area with enough extra length to allow free movement while working.
3. There must not be hazardous objects, such as utility lines or foreign objects, nearby that will present a hazard while working.
4. You must use personal safety equipment including, but not limited to, ANSI-approved eye and hearing protection, as well as heavy work gloves.
5. Before beginning work, protect area from sparks and debris that will fly off the work surface.
6. Remove the Plug (28) from the Air Inlet and thread the Coupler Plug (44) onto the tool using three to four wraps of thread sealing tape (sold separately).
7. If an automatic oiler is not used, add a few drops of Pneumatic Tool Oil to the airline connection before use. Add a few drops more after each hour of continual use.
8. To install an accessory:

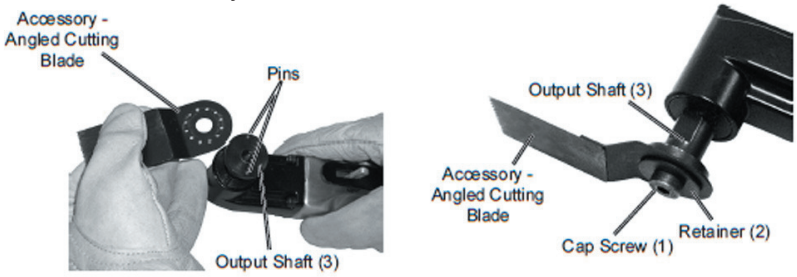


Figure 3

a. While the air hose is disconnected from the tool, hold the Output Shaft (3) with a 13mm wrench (sold separately), and unthread the Cap screw (1) using the Hex Wrench (43). Remove the Cap Screw and Retainer (2).
b. Install the desired accessory in any one of seven orientations by aligning two of the holes in the accessory over the two prongs on the Output Shaft (3).

Note: When attaching the Angled Cutting Blade Accessory, orient the accessory as shown above so the Cap Screw (1)will be out of the way when working.

c. Replace the Retainer (2) and Cap Screw (1) while holding the blade. Hold the Output Shaft (3) with the hex wrench (43), then tighten securely using the Hex Wrench (43).

Note: For sanding, first attach the Sanding Pad to the tool, then align a sheet of sand paper over the pad and press into place.

d. Attach the air hose from the air source. While holding the air tool firmly in one hand and the other safely out of the way of the accessory, turn the air souce on.

9. To begin use, push the Safety Catch (38) forward while squeezing the Trigger Lever (41). A stable two-handed grip on this tool is best.
10. Adjust pressure on the Trigger Lever to change the speed of the tool.
11. Address the material with a smooth steady stroke of the tool.

Note: Do not force the tool. Let the tool do the work.

12. If the tool requires more force to accomplish the task, verify that the tool receives sufficient unobstructed airflow (CFM) and increase the pressure (PSI) output of the regulator up to the maximum air pressure rating for this tool.

OPERATING PROCEDURES

WARNING: *To prevent tooland accessoryfailure, resulting in injury. do not exceed the tool's maximum air pressure rating of 90 psi. if the tool still does not have sufficient airflow, then a larger tool may be required.*

13. To prevent accidents, tum of f the tool by releasing the Trigger Lever (41), detaching the air supply, and safely discharging any residual air pressure in the tool after use. Clean external surfaces of the tool with a clean, dry cloth. Store the tool indoors out of children' s reach.
14. Do not remove the Safety Catch. It has been included for your safety. Without it, the tool could activate when it is bumped against something, set down on its Trigger Lever, or picked up while accidently pressing on the Tigger Lever, activating the tool.

WARNING: *To prevent serious injury from accidental operation*

Turn off the tool, detach the air supply, safely discharge any residual air pressure in the tool, and release the throttle before performing any inspection, maintenance, or cleaning procedures.

T**O PREVENT SERIOUS INJURY FROM TOOL FAILURE:**

Do not use damaged equipment. If abnormal noise, vibration, or leaking air occurs, have the problem corrected before further use.

TO PREVENT EXPLOSION:

Lubricate the tool only with specified lubricants. Lubricate the air inlet using only pneumatic tool oil. Other lubricants may damage the mechanism and may be highly flammable, causing an explosion.

CLEANING, MAINTENANCE, AND LUBRICATION

Note:These procedures are in addition to the regular checks and maintenance explained as part of the regular opration of the air-operated tool.

- Changing Accessories:

Remove the Cap Screw (1) and Retainer (2) using the Hex Wrench (43). The accesscries can be mounted in 7 different positions at 30° increments. Mount the blades facing forward.

WARNING: *The Blades are sharp. Use care when handling the Blades.*

MAINTENANCE

Every day, perform maintenance on the air supply according to the compressor manufacturers instructions. The lubricator's oil level needs to be maintained and the moisture filter must be regularly drained. Performing routinemaintenance on the air supply will allow the tool to operate more safely and will also reduce wear on the tool.Before every use, add a few drops of a Air Tool Oil (sold separately) to the Air Inlet (26).

- Quarterly (every 3 months) - Tool Disassembly, Cleaning, and Inspection:Have the internal mechanism cleaned, inspected, and lubricated by a qualified technician.
- Replace accessories when they become worn or damaged.

TROUBLE SHOOTING

Problem	Possible Causes	Likely Solutions
Decreased output.	1. Not enough air pressure and/ or air flow.	1. Check for loose connections and make sure that air supply is providing enough air flow (CFM) at required pressure (PSI) to the tool's air inlet. **Do not exceed maximum air pressure.**
	2. Obstructed Lever.	**2. Clean around Lever to ensure free movement.**
	3. Incorrect lubrication or not enough lubrication.	3. Lubricate using air tool oil according to directions.
	4. Dull or damaged accessory.	4. Replace accessory.
	5. Blocked Air Inlet (27) screen.	5. Clean air inlet screen of buildup.
	6. Air leaking from loose housing.	6. Make sure housing is properly assembled and tight.
	7. Mechanism contaminated.	7. Have qualified technician clean and lubricate mechanism. Install in-line filter in air supply as stated in Initial Set Up: Air Supply.
Housing heats during use.	1. Incorrect lubrication or not enough lubrication.	1. Lubricate using air tool oil according to directions.
	2. Worn parts.	2. Have qualified technician inspect internal mechanism and replace parts as needed.
Severe air leakage. (Slight air leakage is normal, especially on older tools.)	1. Cross-threaded housing components.	1. Check for incorrect alignment and uneven gaps. If cross-threaded, disassemble and replace damaged parts before use.
	2. Loose housing.	2. Tighten housing assembly. If housing cannot tighten properly, internal parts may be misaligned.
	3. Damaged valve or housing.	3. Replace damaged components.
	4. Dirty, worn or damaged valve.	4. Clean or replace valve assembly.

Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect air supply before service.

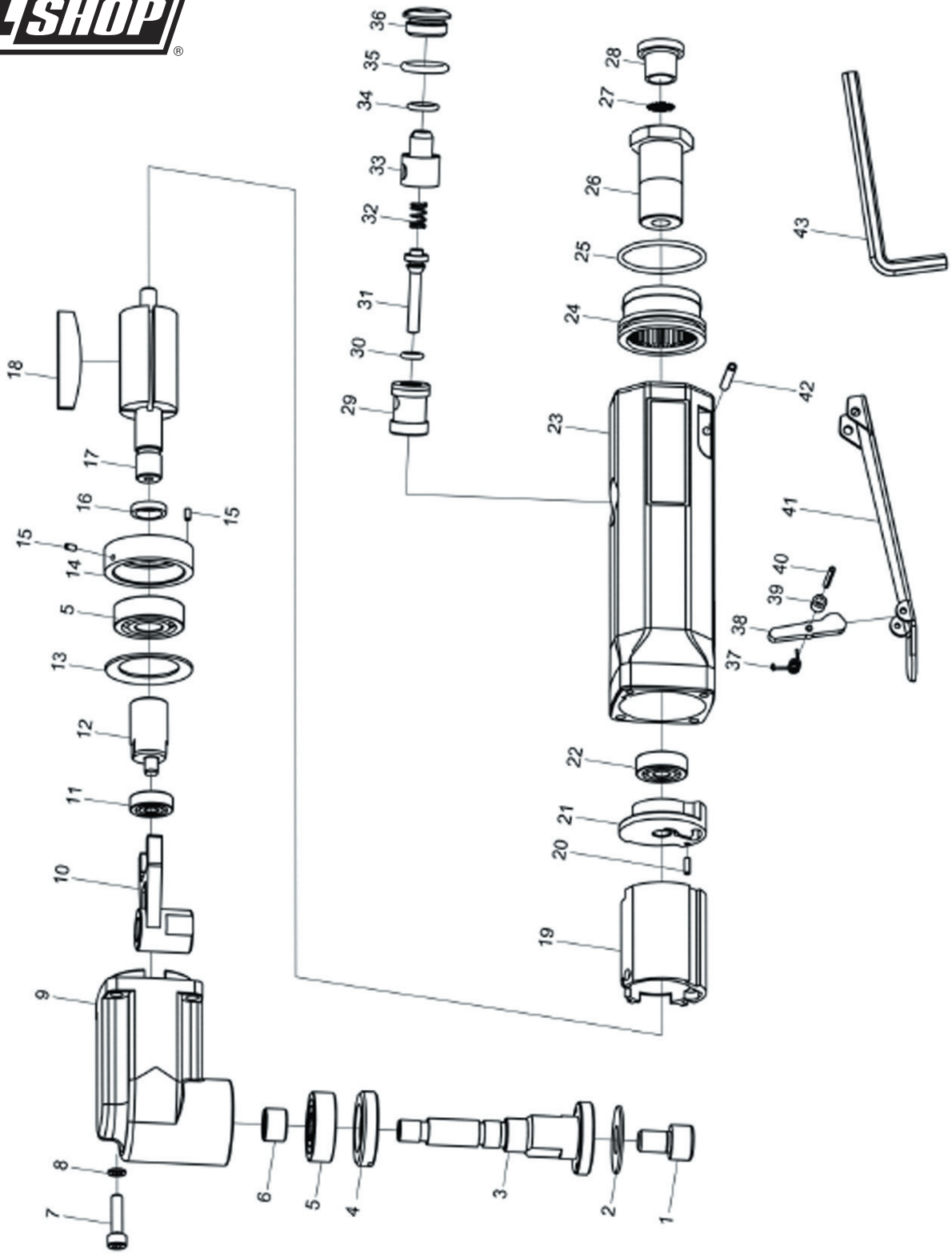
PARTS LIST

PARTS LIST & ASSEMBLY DIAGRAM

Part	Description	Qty
1	Cap Screw M8 x 1.25 x 12mm	1
2	Retainer	1
3	Output Shaft	1
4	Locking Knob	1
5	Bearing	2
6	Oil Bearing	1
7	Screw	4
8	Spring Washer	4
9	Head Casing	1
10	Oscillating Bar	1
11	Bearing	1
12	Adapter Sleeve	1
13	Disc Spring	1
14	Front-End Board	1
15	Pin	2
16	Check Ring	1
17	Rotor	1
18	Blade	4
19	Air Cylinder	1
20	Pin	1
21	Back	1
22	Bearing	1
23	Main Housing	1

Part	Description	Qty
24	Sound Proof Housing	1
25	O-Ring	1
26	Air Inlet	1
27	Filter Netting	1
28	Rubber Plug	1
29	Switch Valve Sleeve	1
30	O-Ring	1
31	Lock	1
32	Spring Washer	1
33	Speed Control Valve	1
34	O-Ring	1
35	O-Ring	1
36	Fixed Cap	1
37	Torsion Spring	1
38	Safety Catch	1
39	Stop Collar	1
40	Pin	1
41	Trigger Lever	1
42	Pin	1
43	Hex Wrench	1
44	Coupler Plug (not shown)	1

SCHEMATIC DRAWING



WARNING *Repairs should be made by an authorized repair center. Do not open or disassemble this power tool. Contact at* 1-866-915-8626 *for questions regarding this power tool.*

TOOL SHOP® PNEUMATIC MULTI-FUNCTION TOOL WARRANTY

1-YEAR LIMITED WARRANTY:
This TOOL SHOP® brand power tool carries a 1-Year Limited Warranty to the original purchaser. If the tool fails within one (1) year from the date of purchase, simply bring this tool with your original sales receipt back to your nearest MENARDS® retail store. At its discretion, TOOL SHOP® agrees to have the tool replaced with the same or similar TOOL SHOP® product free of charge, within the stated warranty period, when returned by the original purchaser with original sales receipt. Notwithstanding the foregoing, this limited warranty does not cover any damage that has resulted from abuse or misuse of the Merchandise. This warranty: (1) excludes expendable parts including but not limited to blades, belts, bits, light bulbs, and/or batteries; (2) shall be void if this tool is used for commercial and/or rental purposes; and (3) does not cover any losses, injuries to persons/property or costs. This warranty does give you specific legal rights and you may have other rights, which vary from state to state. Be careful, tools are dangerous if improperly used or maintained. Seller's employees are not qualified to advise you on the use of this Merchandise. Any oral representation(s) made will not be binding on seller or its employees. The rights under this limited warranty are to the original purchaser of the Merchandise and may not be transferred to any subsequent owner. This limited warranty is in lieu of all warranties, expressed or implied including warranties or merchantability and fitness for a particular purpose. Seller shall not be liable for any special, incidental, or consequential damages. The sole exclusive remedy against the seller will be for the replacement of any defects as provided herein, as long as the seller is willing or able to replace this product or is willing to refund the purchase price as provided above. For insurance purposes, seller is not allowed to demonstrate any of these power tools for you.

For questions / comments, technical assistance or repair parts –
Please call toll free at: 1-866-915-8626 (M-F 8am – 6pm)

SAVE YOUR RECEIPTS. THIS WARRANTY IS VOID WITHOUT THEM.