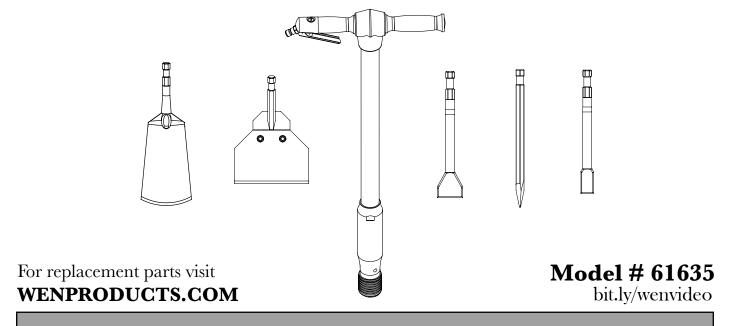


5-IN-1 PNEUMATIC TOOL



IMPORTANT:

Your new tool has been engineered and manufactured to WEN's highest standards for dependability, ease of operation, and operator safety. When properly cared for, this product will supply you years of rugged, trouble-free performance. Pay close attention to the rules for safe operation, warnings, and cautions. If you use your tool properly and for its intended purpose, you will enjoy years of safe, reliable service.



NEED HELP? CONTACT US!

Have product questions? Need technical support?
Please feel free to contact us at:



800 -- 232 -- 1195 (M-F 8AM-5PM CST)



techsupport@wenproducts.com



WENPRODUCTS.COM

Please refer to wenproducts.com for the most up-to-date instruction manual.

TABLE OF CONTENTS

Product Specifications	
Safety Introduction	
Important Safety Rules 4	
Know Your Pneumatic Tool	
Know Your Attachments	
Mounting Attachments9	
Connecting to Air Supply	0
Operation1	1
Maintenance	2
Troubleshooting Guide	3
Exploded View & Parts List	4
Warranty Statement	

PRODUCT SPECIFICATIONS

Model Number:	61635
Operating Pressure Range:	45 to 90 PSI (3 to 6.3 bar)
Maximum Pressure:	91 PSI (6.3 bar)
Minimum Air Consumption:	5.65 CFM
Maximum Air Consumption (at 90 PSI):	7.75 CFM
Stroke Rate:	2100 BPM
Attachment Shank Size:	0.7 inch (18 mm)
Hose Minimum Internal Diameter:	0.35 inch (9 mm)
Air Inlet Size:	1/4"- 18 NPT
Noise Level:	100 to 105 dB
Vibration Level:	16.22 m/s^2
Air Tool Lubrication Oil:	30W Non-Detergent Oil
Product Dimensions (with no attachment	e): 32.5 x 14.7 x 2.3 inch
Product Weight (with no attachment):	12 lbs

NOTE: the air consumption specifications above denote the air consumption required for continuous operation. Air consumption will be lower if the tool is not used continuously. For light gardening applications, a 6-gallon air compressor should suffice. For shoveling or demolition work, we recommend a 10-gallon air compressor or lager. For heavy-duty excavation, use at least a 20-gallon air compressor.

SAFETY INTRODUCTION

Thanks for purchasing the WEN Pneumatic Spade. We know you are excited to put your tool to work, but first, please take a moment to read through the manual. This manual provides information regarding potential safety concerns, as well as helpful assembly and operating instructions. Safe operation of this tool requires that you read and understand this operator's manual and all labels affixed to the tool.



SAFETY ALERT SYMBOL: Indicates danger, warning, or caution. The safety symbols and the explanations with them deserve your careful attention and understanding. Always follow the safety precautions to reduce the risk of fire, electric shock and personal injury. However, please note that these instructions and warnings are not substitutes for proper accident prevention measures.

NOTE: The following safety information is not meant to cover all possible conditions and situations that may occur. WEN reserves the right to change this product and specifications at any time without prior notice.

Keep this manual available to all users during the entire life of the tool and review it frequently to maximize safety for both yourself and others.

IMPORTANT SAFETY RULES

Safety is a combination of common sense, staying alert and knowing how your item works.

SAVE THESE SAFETY INSTRUCTIONS.



WARNING: To avoid mistakes and serious injury, do not use your tool until the following steps have been read and understood. LEARN the tool's applications, limitations, and possible hazards.

WORK AREA SAFETY

- 1. Keep your work area clean, uncluttered, and well lit. To reduce the risk of slipping and falling, make sure the ground is dry, stable and free of tripping hazards.
- 2. Do not use the tool in the presence of flammable dust, gases or fumes. The tool may produce a spark that could ignite gases and cause a fire.
- 3. Ensure that the work area is free of power cables, gas lines, water pipes or any other hidden risks to prevent the risk of accidental contact. Your tool is not insulated against contact with sources of electric power.
- 4. Do not use the tool under water, as water entering the striking mechanism can damage the tool.
- 5. Keep bystanders at a safe distance from the work area, especially when the tool is operating. Never allow children or pets near the tool.

PERSONAL SAFETY

- 1. Dress for safety. Do not wear loose clothing, gloves, neckties, or jewelry (rings, watches, etc.) when operating the tool. Always wear non-slip footwear and tie back long hair.
- 2. The following personal protective equipment must be used to reduce the risk of personal injuries:
- ANSI Z87.1-approved impact-resistant safety goggles with side shields. Safety goggles should be worn during operation, assembly or maintenance of the tool.
- Ear protection such as plugs or muffs. Failure to use adequate ear protectors when the noise level is high can result in lasting damage to hearing loss and other problems, such as tinnitus (ringing, whistling or buzzing in the ear).
- Face mask or dust mask to fight the debris produced by operation. The dust and vapors generated during may carry health risks (e.g. cancer, birth defects, asthma and/or dermatitis). Work in a well-ventilated area and wear a dust masks specially designed to filter out microscopic particles.
- Heavy-duty work gloves to protect your hands.
- Safety non-slip steel-toed work boots.
- Safety helmet if any work is being carried out work above your head.
- 3. Stay alert watch what you're doing and use common sense when using the tool. Do not use while you are tired or under the influence of drugs, alcohol or medication that may affect your ability to properly use the tool. Even a moment of inattention may result in serious personal injury.
- 4. Keep proper footing and balance at all times. Do not overreach.
- 5. Take breaks during extended work periods to limit fatigue. If you feel uncomfortable while using the tool, stop and make the necessary adjustments before proceeding.

IMPORTANT SAFETY RULES

AIR SUPPLY SAFETY

- 1. Use only clean, dry, and regulated air. Condensation from an air compressor can rust and damage the internal workings of the tool.
- 2. DANGER OF EXPLOSION AND/OR SERIOUS PERSONAL INJURY. Do not use bottled gases to power this tool. Bottled compressed gases, including but not limited to oxygen, carbon dioxide, nitrogen, hydrogen, propane, acetylene or air are not for use with pneumatic tools. Never use combustible gases or any other reactive gas as a power source for this tool.
- 3. Regulate the air pressure. Use air pressure that is compatible with the operation pressure of the tool (45 to 90 PSI). NEVER let the air pressure exceed 91 PSI.
- 4. All air supply components (hoses, connectors, filters, regulators, etc.) must have a working pressure rating of at least 135 PSI (150% of the maximum operating pressure).
- 5. Make sure the air supply hose is free of obstructions or snags.
- 6. Make sure all connections are nice and tight. Use appropriate hose tape to prevent leaking. Pay attention to air hoses and their connections to prevent tripping over them.

ATTACHMENT SAFETY

- 1. Only use accessories and attachments that are designed for this tool.
- 2. Never use dull chisels, as they require excessive pressure and cause the tool to break. Dull tools can also cause increased vibration.
- 3. Disconnect the tool from the air supply before mounting or replacing the attachments.
- 4. Avoid any direct contact with the attachments both during or after use. The tools can be hot immediately after operation. Wear work gloves when handling attachments.
- 5. Never try to cool down hot attachments in water. This can lead to brittleness and failure of the tool.

OPERATION SAFETY

- 1. Use the right tool for the job. Do not force the tool to do a job for which it was not designed.
- 2. Inspect the tool and attachments before use. DO NOT operate if any portion of the tool, trigger or locking sleeve is damaged, inoperable, disconnected, or altered. Broken parts may be ejected at high speed during operation, causing serious injuries. Damaged parts, leaking air, improper mounting, or missing parts should be repaired or replaced before use.
- 3. Make sure the attachment has been properly mounted. Place the mounted attachment firmly against the working surface before switching ON the tool.
- 4. DISCONNECT the tool from the air supply when not in use. Do not carry a connected tool to another work area.
- 4. Use only a limited amount of levering force during operation. Too much levering can break the shaft or the attachment.

IMPORTANT SAFETY RULES

TOOL MAINTENANCE

- 1. Always disconnect the air supply before making adjustments or performing maintenance on the tool.
- 2. Do not alter or modify the tool in any way. Do not remove, tamper with, or otherwise cause the tool, trigger or safety bracket to become inoperable. Do not tape, tie, or otherwise fasten the trigger in the ON position. Do not remove springs from the safety bracket. Make daily inspections for free movement of the trigger and safety bracket.
- 3. Maintain the tool properly. Always keep the tool and attachments clean and in good working order. Follow maintenance instructions for lubricating, cleaning and storage.
- 4. Have your tool serviced by a qualified repair person using only identical replacement parts.
- 5. Store tools and attachments out of the reach of children and do not allow persons unfamiliar with the tool or these instructions to operate the tool. Pneumatic tools are dangerous in the hands of untrained users.

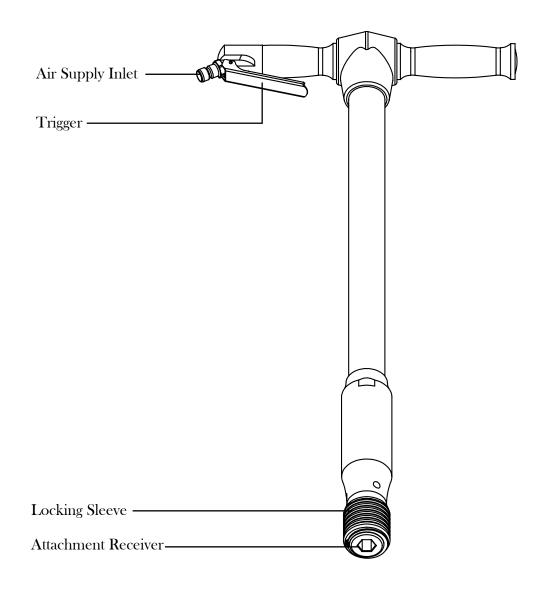
VIBRATION SAFETY

This tool vibrates during use. Repeated or long-term exposure to vibration may cause temporary or permanent physical injury, particularly to the hands, arms and shoulders. To reduce the risk of vibration-related injuries:

- 1. First be examined by a doctor and then have regular medical check-ups to ensure medical problems are not being caused or worsened from using this tool. People who are pregnant, have impaired blood circulation to the hand, past hand injuries, nervous system disorders, diabetes, or Raynaud's disease should NOT use this tool.
- 2. If you feel any symptoms related to vibration (such as tingling, numbness, and white or blue fingers), stop working and seek medical advice as soon as possible.
- 3. Wear suitable work gloves to reduce the effects of vibration.
- 4. When working in cold environments, wear warm clothing and keep your hands warm and dry.
- 5. Hold the tool firmly enough to keep safe control of it, but NOT too tightly. The risk associated with vibration is increased when the gripping force is high. Let the tool do the work.
- 6. Do not smoke during use. Nicotine reduces the blood supply to the hands and fingers, increasing the risk of vibration-related injury.
- 7. Take vibration-free breaks during each day of work.
- 8. To reduce vibration, maintain the tool as instructed in this manual. If any abnormal vibration occurs, stop using the tool immediately
- 9. Release the trigger when you raise the tool to change its position. Otherwise strong vibrations can occur when you lift up the tool.

KNOW YOUR PNEUMATIC SPADE

Carefully unpack the tool and accessories from the packaging. Check all components against the diagram and packing list below. If any part is damaged or missing, please contact our customer service department at (800) 232-1195, M-F 8-5 CST or email us at techsupport@wenproducts.com.



PACKING LIST

- Pneumatic Tool
- Flat Wide Chisel
- Flat Narrow Chisel
- Pointed Chisel
- Spade

Scraper Assembly

- Scraper Blade
- Scraper Holder
- Screw x 2
- Spacer x 2
- Nut x 2

KNOW YOUR ATTACHMENTS

Learn the recommended purposes of your attachments. All attachments have an 18 mm hex shank. Check the tool and all attachments to make sure they are free of damage before use.

Accessory Name	Appearance	Recommended Purpose
Flat Wide Chisel (Part No. 61635-027)		Demolition workRemoving tilesRemoving plaster
Flat Narrow Chisel (Part No. 61635-028)		Demolition workRemoving tilesRemoving plaster
Pointed Chisel (Part No. 61635-029)		Demolition workKilling vampires
Spade (Part No. 61635-030)		• Digging, shoveling • Removing roots
Scraper (Part No. 61635-031)		• Removing tile, old carpets, adhesive residue, concrete residues, PVC floors, Linoleum floors, etc. (Needs assembly - see "Assembling the Scraper" on the next page.)

MOUNTING ATTACHMENTS



WARNING: To prevent injury from accidental startups, the tool must be DISCONNECTED from the air supply before attaching or replacing accessories, or making any adjustments to the tool.



WARNING: When handling sharp, pointed or hot attachments, always wear suitable protective gloves to avoid injuries.

NOTE: Only use attachments that are designed for this tool. Replacement tools can be purchased from wen-products.com by searching their part number, outlined on the previous page.

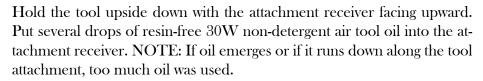
ASSEMBLING THE SCRAPER

Required tool: Open end wrench, 17 mm (not included).

Mount the scraper blade onto the holder using the two screws, washers and nuts (Fig. 1). Fully tighten the nuts using the 17 mm wrench.

LUBRICATING THE ATTACHMENT RECEIVER

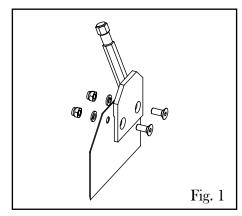
Lubricate the attachment receiver (Fig. 2 - 1) before first use. Before each subsequent use, check that the receiver is lubricated. Failure to lubricate the receiver may shorten the lifespan of the tool.

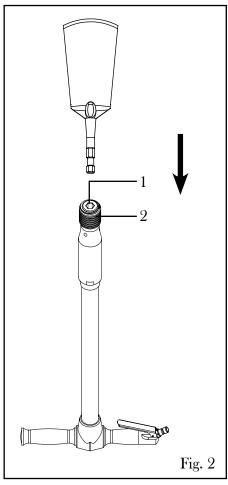


INSERTING/REMOVING ATTACHMENTS

- 1. Make sure the tool is disconnected from the air supply.
- 2. Hold the tool upside down with the attachment receiver (Fig. 2 1) pointing upwards. Support the other end on the ground. Make sure the attachment receiver is lightly lubricated.
- 3. Insert the selected tool into the attachment receiver.
- 4. Slide the locking sleeve (Fig. 2 2) downwards until the tool slides into the receiver. Guide the locking sleeve up to lock the tool in position.
- 5. Pull the tool to check that it has been correctly latched into the attachment receiver. There should be some play, but the tool should NOT come out of the receiver.

To remove the attachment, make sure the tool has been disconnected from the air supply. Slide the locking sleeve (Fig. 2 - 2) halfway downwards and pull the attachment out. Guide the locking sleeve back into place.







WARNING: Every time the attachment is changed, ensure that the attachment receiver has no signs of severe wear or heavy impacts. After every tool change, pull on the tool to check that it is firmly seated inside the receiver.

CONNECTING TO AIR SUPPLY

Follow the instructions below to prepare the compressed air supply (not included). The working pressure of the air compressor MUST be regulated by a regulator to fit the operating pressure of your tool (45 to 90 PSI). NEVER let the air pressure exceed 91 PSI. The tool may be damaged if the maximum air pressure is exceeded.



WARNING: Use only clean dry, and regulated air. Never use oxygen, combustible gases, bottled gases, or high pressure compressed gas to power this tool. Danger of explosion and serious personal injury may result. Do not operate when the air pressure is outside of the recommended range.

Refer to the chart below for the recommended compressor size for your tool based on its expected workload.

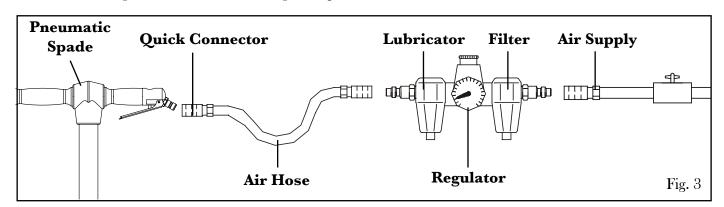
Workload	Recommended Size	Recommended WEN Compressor
Light Work	6.5 gallon (24 L)	WEN 2289 10-Gallon Oil-Free Vertical Air Compressor
Moderate Work	13 gallon (50 L)	WEN 2202 20-Gallon Oil-Lubricated Vertical Air Compressor
Heavy Work	26 gallon (100 L) or more	N/A

CONNECTING TO THE AIR SUPPLY

Refer to the diagram below (Fig. 3) for the recommended accessories and connection order. All air supply components including hoses, connectors, filters, regulators, etc. must have a working pressure rating of at least 135 PSI. The compressed air hose (not included) should not be longer than 50 ft (15 m) and should have an internal diameter of at least 0.35 inch (9 mm) in order to minimize pressure loss.

Install an automatic in-line mist lubricator between the compressed air source and the tool to keep the air inlet continuously lubricated. If an in-line mist lubricator is not used, lubricate the tool's air inlet before each use by manually apply a few drops of 30W non-detergent air tool oil. An in-line filter is recommended to remove contaminants from the air to prolong the life of the tool and compressor. To connect to the air supply:

- 1. Turn on the compressor on and set the regulator to the proper pressure (between 45 and 90 PSI).
- 2. Be sure the air hose is depressurized when attaching it to or removing it from the tool. Connect one end of the hose to the outlet of your air compressor and connect the other end to the lubricated air inlet of the tool. The connections must click into place audibly. Use appropriate hose tape to prevent leaking.
- 3. Check the compressed air hoses and couplings to make sure there are no leaks. Lay the compressed air hoses flat on the ground with sufficient length of spare hose in the work area.



OPERATION



WARNING: Serious or even fatal injuries can occur if the tool is pointed at persons or animals, even if there is no attachment installed in the tool. NEVER point the tool at people or animals.



WARNING: User must wear proper eye and hearing protection when operating this tool. Stay alert and keep proper balance at all times.

1. Hold the tool with both hands and set the attachment against the work surface. The striking mechanism of the tool ONLY operates when the tool is in contact with the work surface.

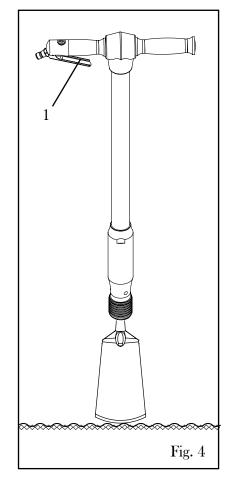
CAUTION: Do not operate the tool when it is not in contact with the work surface. Strokes with no load can damage the tool.

2. Press the trigger (Fig. 4 - 1) to start the tool. During operation, hold the tool firmly enough to guide the tool down but do not exert additional force on the material. Let the tool do its own work.

CAUTION: Use only a limited amount of levering force during operation. Too much levering can break the shaft or the attachment.

- 3. When the work has been completed, release the trigger. Disconnect the air supply by pulling back the ring on the quick connector to release the connection.
- 4. Every few hours of operation, stop and check that the attachment receiver is lubricated. An insufficient quantity of oil will result in damage to the tool. Add a few drops of oil into the attachment receiver as necessary.

Add a few drops of 30W non-detergent air tool oil into the air inlet to lubricate the connection. If an in-line lubricator is used, adjust the oil level as necessary to provide the right amount of lubricant to the air inlet.



5. Follow the maintenance instructions on the next page for cleaning, maintenance and storage of the tool.

NOTE: Excessive lubrication can adversely affect the tool's performance.. If drops of oil are forming on the trigger or on the attachment receiver, clean the excessive oil and reduce the oil quantity on the automatic oiler. An insufficient quantity of oil will result in damage to the tool and attachment.

MAINTENANCE



WARNING: To prevent accidental startup, always disconnect the tool from the air supply before carrying out any adjustments, service or maintenance.

CLEANING

Keep the tool free of dirt and dust. After each use, wipe the tool clean with a damp towel and some soft soap. Blow the tool clean using compressed air. Only use non-flammable cleaning solutions to wipe exterior of the tool if necessary. Do not soak tool with cleaning solutions. Such solutions can damage internal parts.

LUBRICATION

Routine lubrication of the tool is required for best performance. An automatic in-line mist lubricator is recommended to supply lubricant to the tool's inlet automatically. If tool is used without an in-line lubricator, place a few drops of 30W non-detergent air tool oil into the tool's air inlet at the beginning of each workday or after about 2 hours of continuous use

Also, make sure to lubricate the attachment receiver with a few drops of air tool oil at the beginning of each workday or after about 2 hours of continuous use. Lack of lubrication can damage the tool and attachment.

INSPECTION

Before each use, inspect the general condition of the tool. Check for:

- Loose hardware,
- Misalignment or binding of moving parts,
- Damaged hose or leaks,
- Cracked or broken parts, and
- Any other condition that may affect its safe operation.

Do not operate if any portion of the tool, trigger, or locking sleeve is damaged, inoperable, disconnected, or altered. Any issues with the tool such as leaking air, damaged parts, or missing parts should be repaired or replaced before use.

AIR COMPRESSOR

All compressed air contains moisture and other contaminants that are detrimental to internal components of the tool. Dirt and water in the air supply are major causes of pneumatic tool wear. Regularly drain water and contaminants out from the compressor. An in-line filter is recommended to remove most of these contaminants and prolong the life of the tool. Follow the instructions with your compressor and filter for installation and operation.

STORAGE

Store the unit and accessories in a dark, dry, frost-free and well ventilated place, out of the reach of children. The ideal storage temperature is between 40 to 86°F (5 and 30°C).

PRODUCT DISPOSAL

Used pneumatic tools contain recyclable materials and should not be disposed with household waste. Please take this product to your local recycling facility for responsible disposal and to minimize its environmental impact.

TROUBLESHOOTING GUIDE

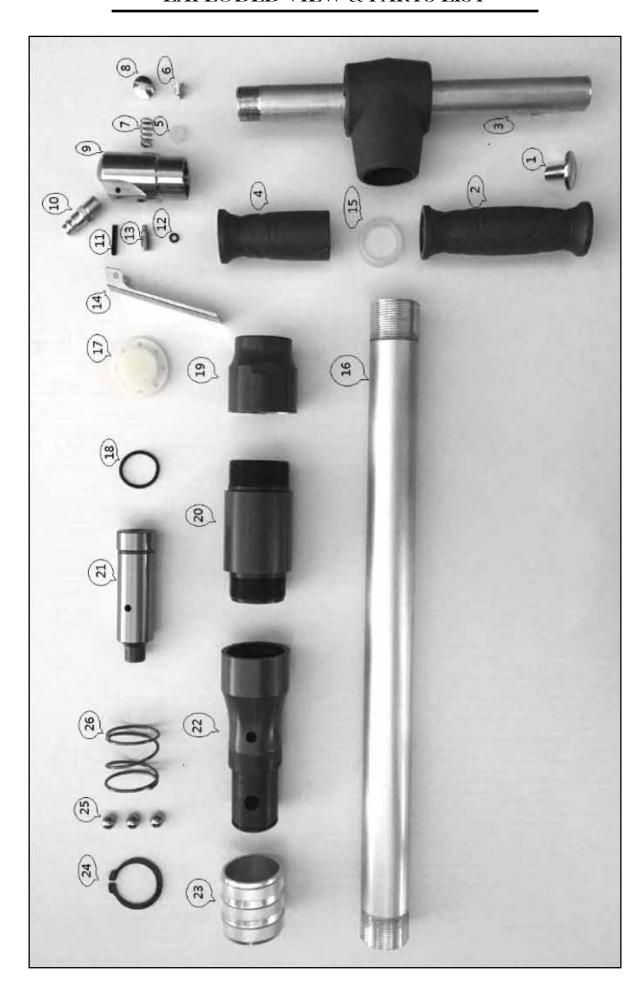


WARNING: Stop using the tool immediately if any of the following problems occur or risk serious personal injury. Repairs and replacements should only be performed by authorized personnel. If you have any questions, please contact our customer service at (800) 232-1195, M-F 8-5 CST.

Problem Possible Causes		Solution	
	Piston (Part No. 61635-021) is jammed/rusted in the housing due to a lack of lubrication oil	Add a few drops of oil into the connection hose and into the attachment receiver.	
		Press the piston back with a striking bolt through the attachment receiver.	
	Dirt has penetrated through the air hose.	Have the tool checked and serviced by a qualified service technician.	
Tool does not start or lacks power.	Too much lubricating oil.	Wipe clean any excessive oil or water, and	
	Water has entered the striking mechanism.	run the tool briefly without an attachment.	
	Pressing force too high.	Lubricate the attachment receiver and adjust the operating pressure on the air compressor regulator.	
	Output power of the air source too low.	Adjust the operating pressure on the air compressor regulator, or use a higher output air source.	
Attachment no longer latches into the attachment receiver or does not lock into place.	Attachment or attachment receiver worn out. (Most often caused by excessive pressure or no-load strokes).	Replace the attachment and have the attachment receiver serviced by a qualified service technician.	
Locking sleeve stuck, preventing attachment from being installed or removed.	Dirt in the locking sleeve.	Have the tool checked and serviced by a qualified service technician.	
Tool operates continuously without pressing the	Valve defective.	Have the tool checked and serviced by a qualified service technician.	
trigger	Ghost in the tool.	Persuade ghost to leave.	

IMPORTANT: Servicing of the tool requires extreme care and knowledge and should be performed only by a qualified service technician.

EXPLODED VIEW & PARTS LIST



EXPLODED VIEW & PARTS LIST

No.	Part No.	Description
01	61635-001	Plug
02	61635-002	Handle Sleeve
03	61635-003	Handle
04	61635-004	Switch Sleeve
05	61635-005	Valve Washer
06	61635-006	Valve Rod
07	61635-007	Valve Spring
08	61635-008	Screw Plug
09	61635-009	Handle Body
10	61635-010	Air Inlet
11	61635-011	Trigger Pin
12	61635-012	O-Ring
13	61635-013	Push Rod
14	61635-014	Trigger
15	61635-015	Seal Washer
16	61635-016	Shaft
17	61635-017	Inlet Seat
18	61635-018	O-Ring
19	61635-019	Connecting Sleeve
20	61635-020	Cylinder
21	61635-021	Piston
22	61635-022	Front Body
23	61635-023	Face Sleeve
24	61635-024	Block Ring
25	61635-025	Steel Ball
26	61635-026	Press Spring
Below attachments are pictured on page 8		
27	61635-027	Flat Wide Chisel
28	61635-028	Flat Narrow Chisel
29	61635-029	Pointed Chisel
30	61635-030	Spade
31	61635-031	Scraper

LIMITED TWO YEAR WARRANTY

WEN Products is committed to build tools that are dependable for years. Our warranties are consistent with this commitment and our dedication to quality.

LIMITED WARRANTY OF WEN CONSUMER POWER TOOLS PRODUCTS FOR HOME USE GREAT LAKES TECHNOLOGIES, LLC ("Seller") warrants to the original purchaser only, that all WEN consumer power tools will be free from defects in material or workmanship for a period of two (2) years from date of purchase. Ninety days for all WEN products, if the tool is used for professional use.

Seller's sole obligation and your exclusive remedy under this Limited Warranty and, to the extent permitted by law, any warranty or condition implied by law, shall be the repair or replacement of parts, without charge, which are defective in material or workmanship and which have not been misused, carelessly handled, or misrepaired by persons other than Seller or Authorized Service Center. To make a claim under this Limited Warranty, you must make sure to keep a copy of your proof of purchase that clearly defines the Date of Purchase (month and year) and the Place of Purchase. Place of purchase must be a direct vendor of Great Lakes Technologies, LLC. Third party vendors such as garage sales, pawn shops, resale shops, or any other secondhand merchant void the warranty included with this product. Contact techsupport@wenproducts.com or 1-800-232-1195 to make arrangements for repairs and transportation.

When returning a product for warranty service, the shipping charges must be prepaid by the purchaser. The product must be shipped in its original container (or an equivalent), properly packed to withstand the hazards of shipment. The product must be fully insured with a copy of the warranty card and/or the proof of purchase enclosed. There must also be a description of the problem in order to help our repairs department diagnose and fix the issue. Repairs will be made and the product will be returned and shipped back to the purchaser at no charge.

This limited warranty does not apply to accessory items that wear out from regular usage over time including belts, brushes, blades, etc.

Any implied warranties shall be limited in duration to two (2) years from date of purchase. Some states in the U.S., Some Canadian provinces do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

In no event shall seller be liable for any incidental or consequential damages (including but not limited to liability for loss of profits) arising from the sale or use of this product. Some states in the U.S. And some Canadian provinces do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

This limited warranty gives you specific legal rights, and you may also have other rights which vary from state to state in the U.S., province to province in Canada and from country to country.

This limited warranty applies only to portable electric tools, bench power tools, outdoor power equipment and pneumatic tools sold within the united states of America, Canada and the commonwealth of Puerto Rico. For warranty coverage within other countries, contact the wen customer support line.

