

BENCHMARK™ MC

3" PNEUMATIC CUT OFF TOOL



5 Year Limited Warranty

**READ ALL INSTRUCTIONS BEFORE FIRST USE.
KEEP THIS MANUAL FOR FUTURE REFERENCE.
KEEP AWAY FROM CHILDREN.**



**WEAR CSA APPROVED
EYE PROTECTION**



**WEAR EAR
PROTECTION**



**WEAR A
FACE
MASK**

3" AIR CUT OFF TOOL

Max speed	18,000 RPM
Max PSI	90PSI
Average Air Consumption	2.7 CFM @ 90PSI
Working pressure	90 PSI
Air inlet	1/4" NPT
Cutting Disc	3"
Recommended hose	3/8"
Weight	1.54lbs (0.7kg)

•Please note (where the 1/4" NPT connector is not already installed on the tool) your tool may be shipped with a black plastic cap installed in the air inlet. Pry the cap out prior to installing the 1/4" NPT connector.

NEED ASSISTANCE?

Call us on our toll-free customer support line:

1-866-349-8665 (Monday through Friday 9am – 5pm Eastern Standard Time)

- Technical questions
- Replacement parts
- Parts missing from package



NOTE these instructions pertain to the tool only. Please refer to your compressors operator's manual and follow the manufactures instructions.

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SAFETY GUIDELINES

WARNING:

This manual contains information that relates to PROTECTING PERSONAL SAFETY and PREVENTING EQUIPMENT PROBLEMS. It is very important to read this manual carefully and understand it thoroughly before using the product. The symbols listed below are used to indicate this information.



DANGER!

Potential hazard that will result in serious injury or loss of life.



WARNING!

Potential hazard that could result in serious injury or loss of life.




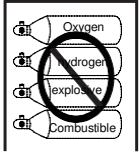






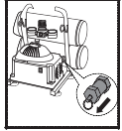
CAUTION!

Potential hazard that may result in moderate injury or damage to equipment.

Note - The word " Note " is used to inform the reader of something he / she needs to know about the tool.

PERSONAL SAFETY

These precautions are intended for the personal safety of the user and others working with the user. Please take time to read and understand them.

SYMBOL	MEANING
	<p>Do not use oxygen or any other combustible or bottled gas to power air-powered tools. Failure to observe this warning can cause explosion and serious personal injury or death.</p> <p>Use only the compressed air to power the air-powered tools. Use a minimum of 25' (7.6 m) of hose to connect the tool to the compressor. Failure to comply will result in serious injury or loss of life.</p> 
	<p>Risk of electric shock: Do not expose a compressor to rain. Store it indoors. Disconnect the compressor from power source before servicing. Compressor must be grounded. Do not use grounding adaptors.</p>
	<p>Risk of personal injury: Do not direct compressed air from the air hose towards the user or other personnel.</p>
	<p>Risk for inhalation: Never directly inhale the air produced by the compressor.</p>
	<p>Risk of bursting: Do not adjust the pressure switch or safety valve for any reason. They have been preset at the factory for this compressor's maximum pressure. Tampering with the pressure switch or the safety valve may cause personal injury or property damage.</p>
	<p>Risk of burns. The pump and the manifold generate high temperatures. In order to avoid burns or other injuries, do not touch the pump, the manifold, or the transfer tube while the compressor is running. Allow the parts to cool down before handling or servicing. Keep children away from the compressor at all times.</p>
	<p>Risk of bursting: Make sure the regulator is adjusted so that the compressor outlet pressure is set lower than the maximum operating pressure of the tool. Before starting the compressor, pull the ring on the safety valve to make sure the valve moves freely. Drain water from tank after each use. Do not weld or repair tank. Relieve all pressure in the hose before removing or attaching accessories.</p> 



DANGER!

- **Keep children away** from the work area. Do not allow children to handle power tools.
- Do not use this tool in the presence of flammable liquids or gases. Sparks that are created during use may ignite gases.
- **Keep air hose away** from heat, oil, and sharp edges. Check air hose for wear before each use and ensure that all connections are proper.
- **Always ensure that the workpiece is firmly secured** leaving both hands free to control the tool.
- Always ensure that the tool has stopped before putting it down after use, for safety purposes and to prevent possible damage to the tool/user.
- **Keep proper footing at all times in order to ensure correct balance.**



WARNING!

- Do not allow unskilled or untrained individuals to operate the Gravity Feed Spray Gun.
- **Locate the compressor in a well-ventilated area** for cooling, and a minimum of 12" (31 cm) away from the nearest wall.
Protect the air hose and the power cord from damage and puncture. Inspect them for weak or worn spots every week and replace them if necessary.
- **Always wear hearing protection** when using the air compressor. Failure to do so may result in hearing loss.
Do not carry the compressor while it is running.
- **Do not operate the compressor if it is not in a stable position.**
Do not operate the compressor on a rooftop or an elevated position that could allow the unit to fall or be tipped over.
- ***Always replace a damaged gauge** before operating the unit again.
***Do not connect the tool to a source of compressed air with an outlet pressure greater than 90 PSI.**



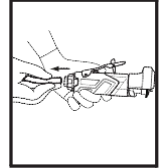
CAUTION!

- Always ensure that the tool has stopped before disconnecting the air supply
- Do not wear watches, rings, bracelets, or loose clothing when using any air-powered tool
- Do not overload the tool. Allow the tool to operate at its optimum speed for maximum efficiency.
- Do not use a tool that is leaking air, that has missing or damaged parts, or that requires repairs. Verify that all screws are securely tightened
- For optimal safety and tool performance, inspect the tool before every usage, in order to ensure free movement of the trigger, safety mechanisms, and springs.
- Always keep your air tool clean and lubricated. Daily lubrication is essential to avoid internal corrosion and possible failures.
- Ensure the floor is not slippery and wear non-slip shoes. Floors should be kept clean and clear.
- Always follow all workshop safety rules, regulations, and conditions when using the tool and keep the work area clean.
Carry the tool by the handle only, keeping fingers away from the trigger. Do not carry the tool by the hose, magazine, or any other parts.
- Do not use the tool near or below freezing point, as doing so may cause tool failure.
- Do not store the tool in a freezing environment to prevent ice formation on the tools operating valves, as doing so may cause tool failure.
- Handling and storage of oil: Use with adequate ventilation. Avoid contact of oil with eyes, skin, and clothing. Avoid breathing spray or mist. Store in a tightly closed container in a cool, dry, well-ventilated area free from Incompatible substances.
- Tripping hazard. The air hose may become a tripping hazard when it is placed in the work area. Use care when walking in the work area.

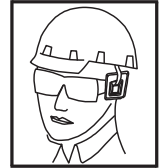
CAUTION!



- **Disconnect tool from the air supply and turn off the compressor** before performing any maintenance or changing accessories, when clearing a jammed fastener, when the tool is not in use, when it is being handed to another person, and when it is left unattended. Failure to comply may result in moderate injury or damage to equipment.



- **Use safety goggles and ear protection:** Wear safety glasses with side shields when operating the tool/compressor and verify that others in the work area are also wearing safety glasses. Safety glasses must conform to American National Standards Institute (ANSI Z87. 1) requirements and must provide protection from flying particles from the front and the sides. Air-powered tools are loud, and the sound can cause hearing damage. Always wear ear protection to prevent hearing damage and loss. Failure to comply may result in moderate injury.



NOTE: Recycle unwanted materials rather than disposing of them as waste. Sort the tools, hoses, and packaging in specific categories and take to the local recycling center or dispose of in an environmentally safe way.

SYMBOLS



WARNING: Some of the following symbols may appear on the tool. Study these symbols and learn their meaning. Proper interpretation of these symbols will allow for more efficient and safer operation of this tool.

SYMBOLS



Read operator s manual: To reduce the risk of injury , user must read and understand operator’s manual before using this product.



Risk to hearing : Always wear ear protection when using this tool. Failure to do so may result in hearing loss.



Eye protection: Always wear safety goggles, safety glasses with side shields, or a full-face shield when operating this product.

TOOL SPECIFIC WARNINGS



DANGER!

**Potential hazard that will result in serious injury or death.
VIBRATION PRECAUTION!**

Read and follow the safety instructions before using the vibrating tool to avoid temporary or permanent physical injury, particularly to the hands, arms, and shoulders, and to reduce the risk of vibration-related injury.

- Sparks that are created when cutting may ignite flammable materials.
- Never use this tool in the presence of any flammable materials, liquids, or gases.
- Always ensure the cutting discs utilized with this tool are rated at or above the speed rating of the tool (18,000 RPM).
- Failure to properly match the accessory to the tool could result in serious personal injury.
- Ensure the cutting discs are tightened properly before operating the tool and after changing the cutting disc.
- Do not use additional and excessive force on the tool when cutting.
- Failure to comply could lead to serious injury or loss of life.
- Disconnect the tool from the air supply before changing accessories, servicing or performing maintenance.
- Heavy vibration from an air tool may result in injury to the hand, fingers and wrist of operator during a long period of operation. Stop using the air tool if you feel pain. Resume use of an air tool after consulting with a doctor, confirming that there is no problem concerning the use of the air tool.



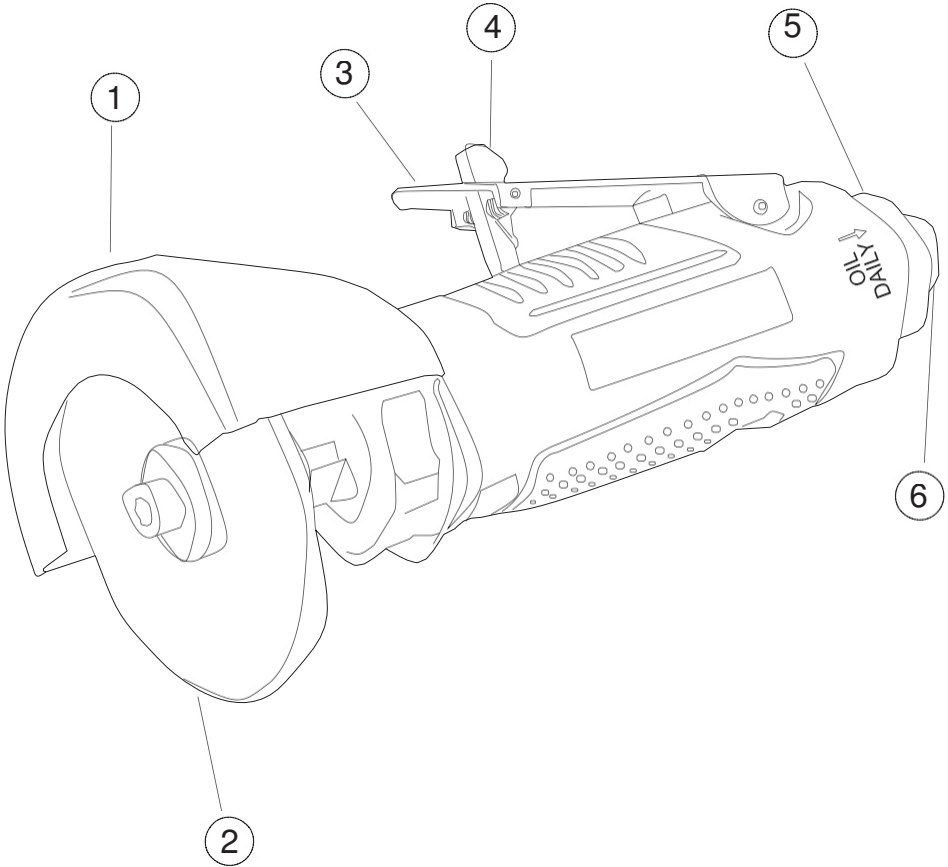
WARNING!

Potential hazard that could result in serious injury or death.

Keep hands and other body parts away from work areas when connecting the tool to the air supply.

- Use only recommended and properly rated replacement parts and cutting disc. Failure to comply could lead to serious injury or loss of life.
- Safety guard must always be positioned so that it shadows (or blocks) the users face from the cutting disc.

KNOW YOUR 3" PNEUMATIC CUT OFF TOOL



No.	Description	No.	Description
1	Wheel guard	4	Safety lock
2	Cutting disc	5	Exhaust port
3	Trigger	6	Air inlet port

ASSEMBLY AND OPERATING

The pneumatic cut-off tool features a lightweight and durable composite body that reduces vibration for comfortable use and easy grip. Safety latch on the trigger protects against accidental

start-up. The tool is designed with a chrome plated adjustable safety guard for greater protection while cutting. The tool is useful for cutting through a variety of objects and materials.

COMPATIBLE COMPRESSORS GUIDELINES FOR PROPER USE AND OPERATION

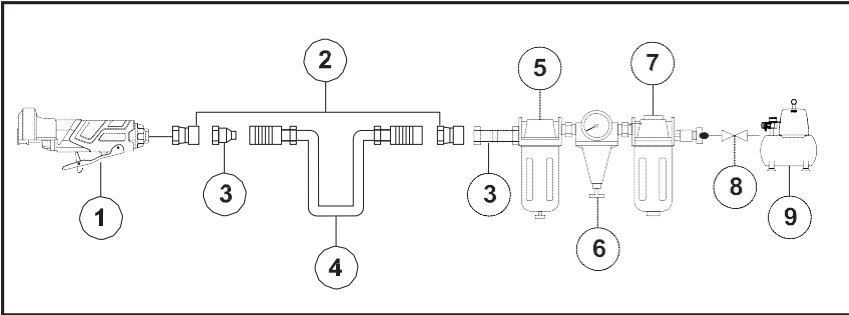
Be sure to use a proper air compressor with air-powered tools. The compressor should be able to supply a minimal air delivery of 2.7 CFM @ 90 PSI to ensure the compressor can run continuously with the tool.

Air Compressor Size and Power	1 1/2-2 HP	2 1/2 HP	3+ HP
5-6 Gallons	Light-duty and Intermittent use	Light-duty and Intermittent use	Light-duty and Intermittent use
8-11 Gallons	Light-duty and Intermittent use	Medium-duty and Intermittent use	Medium-duty and Intermittent use
15 Gallons and more	Medium-duty and Intermittent use	Heavy-duty and Continuous use	Heavy-duty and Continuous use


AIR SYSTEM

Always use clean, dry, regulated, compressed air at 0 to 6.2 bar (60 to 90 PSI)

Do not exceed the maximum or minimum pressures. Operating the tool at the wrong pressure (Too low or too high) will cause excessive noise or rapid wear of tool.



No.	Description	No.	Description
1	3"pneumatic cut off tool	6	Regulator 0-90 PSI (0-6.3 bar)
2	Quick connector	7	Filter
3	Quick coupler	8	Cut-off valve
4	Air hose	9	Air compressor
5	Lubricator		

 **WARNING** Keep hands and other parts of the body away from the work areas when connecting the tool to the air supply. Failure to comply could lead to serious injury or loss of life.

It is recommended that a filter-regulator-lubricator is used and located as close to the tool as possible.

If a filter-regulator-lubricator is not installed, place up to 6 drops of compressor oil into the NPT inlet plug before each use.

If a filter-regulator-lubricator is installed, keep the air filter clean. A dirty filter will reduce the air pressure to the tool, which will cause reduction in power, efficiency, and general performance.

For optimal performance, install a quick connector to the tool and a quick coupler on those, if applicable.

Verify that all of the connections in the air supply system are sealed in order to prevent air from leaking. Failure to comply may result in moderate injury or damage to equipment.

Air tools

Read this instruction manual thoroughly before using the tool.

- Read all safety guidelines (see section "safety guidelines") at the beginning of this manual. Always inspect the air tool prior to each use to ensure proper use of power source.
- determine whether the tool is in proper working order.
- Only use cutting disc which are specifically designed for use with this tool.
- Drain the compressor tank daily. Water in the air supply line will damage the tool.
- Clean the air inlet and the filter weekly.
- Line pressure should be increased to compensate for unusually long air hoses. The hose diameter should be 3/8".

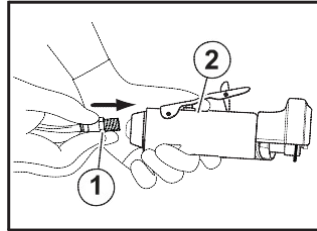
Operation



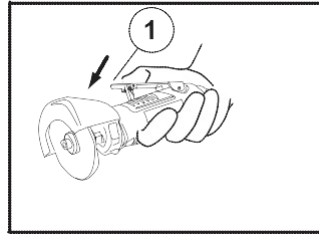
WARNING!

- Read all instructions in this manual carefully and understand them thoroughly before using the Pneumatic Cut Off Tool. Failure to comply could lead to serious injury or loss of life.

1. Plug in compressor, turn it on set the pressure regulator to 90 PSI, attach one end of the air hose to the compressor and the other end of the air hose (1) to the tool (2) using the quick connect fitting. Use plumber's tape to prevent air leaks.



2. Release the safety lock on trigger and then press the trigger to operate the tool. Cover exhaust port with a towel then run air tool for 20 to 30 seconds. Oil will discharge from exhaust port when air pressure is applied. Continue to run cutting tool until no oil is discharged



3. Verify that the air supply is clean and it does not exceed 90 PSI while operating the tool.

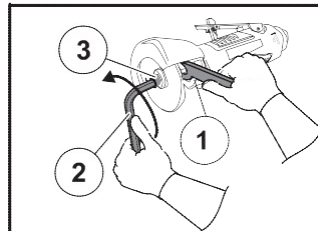
Changing the cutting disc



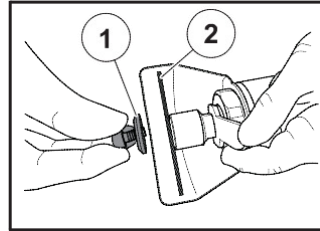
WARNING!

Ensure tool is disconnected from air supply **BEFORE** changing the cutting disc.

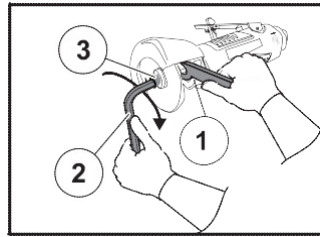
1. Firmly stop the cutting disc from rotating using the 14mm wrench (1) provided. Use the 6mm hex key (2) and remove bolt (3) holding the blade.



2. Insert the bolt (1) upon fixing the new cutting disc (2) in position.



3. Firmly lock the cutting disc from rotating using the 14mm wrench (1) provided. Use the 6mm hex key (2) and remove bolt (3).



WARNING!

- Ensure the bolts are tightened properly upon changing the cutting disc before operating the tool.
- Do not use additional and excessive force on the tool when cutting. Failure to comply could lead to serious injury or loss of life.
- Do not allow the tool to run freely for an extended period of time, as doing so will shorten the life of the 3" pneumatic Cut Off Tool

Storage

- If it is necessary to store the tool for an extended period of time, apply a generous amount of lubrication before storing.
- The tool should be allowed to run for approximately 30 seconds after lubricating, in order to ensure that the lubrication is uniformly distributed throughout the tool.

Maintenance

NOTE: Do not store the tool anywhere temperatures will fall below freezing.



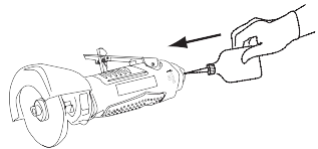
DANGER!

Disconnect the tool from the air compressor before maintenance/service, adjusting and when it is not in use.

- Repairs must be performed by a qualified service technician only.
- Failure to comply will lead to serious injury or loss of life.

MAINTENANCE REQUIRED	DESCRIPTION	TOOLS OR MATERIALS REQUIRED	MAXIMUM SERVICE INTERVAL		
			Each use or every 2 hrs.	Monthly	As needed
General inspection - free movement	Trigger, spring,	None	X		
In-depth inspection	Worn or broken parts			X	X
Replace worn or broken parts					X
Lubrication	See below	Pneumatic tool oil	X		

•Lubrication: If the tool and the compressor are not equipped with an in-line lubrication system, place 2 to 3 drops of pneumatic tool oil into the air inlet before each use or after every 2 hours of continuous use, depending on the characteristics of the workpiece.



Air-operated tools must be inspected periodically, and worn or broken parts must be replaced in order to keep tools operating safely and efficiently.

Inspect and replace worn or damaged o-rings, seals, etc. Tighten all screws and caps frequently in order to help prevent personal injury.



WARNING!

- Never use damaged parts.
- Never soak tool in cleaning solution as it can cause internal damage.
- Always ensure that all the screws are kept tight, as loose screws can cause personal injury or damage to the tool.
- Do not use an excessively worn tool. Failure to comply may result in moderate injury or damage to equipment.

Note: When temperatures are below freezing, keep tools as warm as possible using any safe, convenient method.

- Loss of power or erratic action may be due to the following:
 - Excessive drain on the air line, moisture, or restriction in the air supply line, incorrect size, or type of hose connectors. To remedy, check the air supply and follow instructions.
 - Grit or gum deposits in the pneumatic Cut Off Tool may also reduce its performance.
- When the tool is not in use, disconnect it from the air supply, clean it, and store it in a safe dry, childproof location.

Troubleshooting



DANGER!

If any of the following symptoms appear while the tool is in use, turn it off and disconnect it from the air supply immediately.

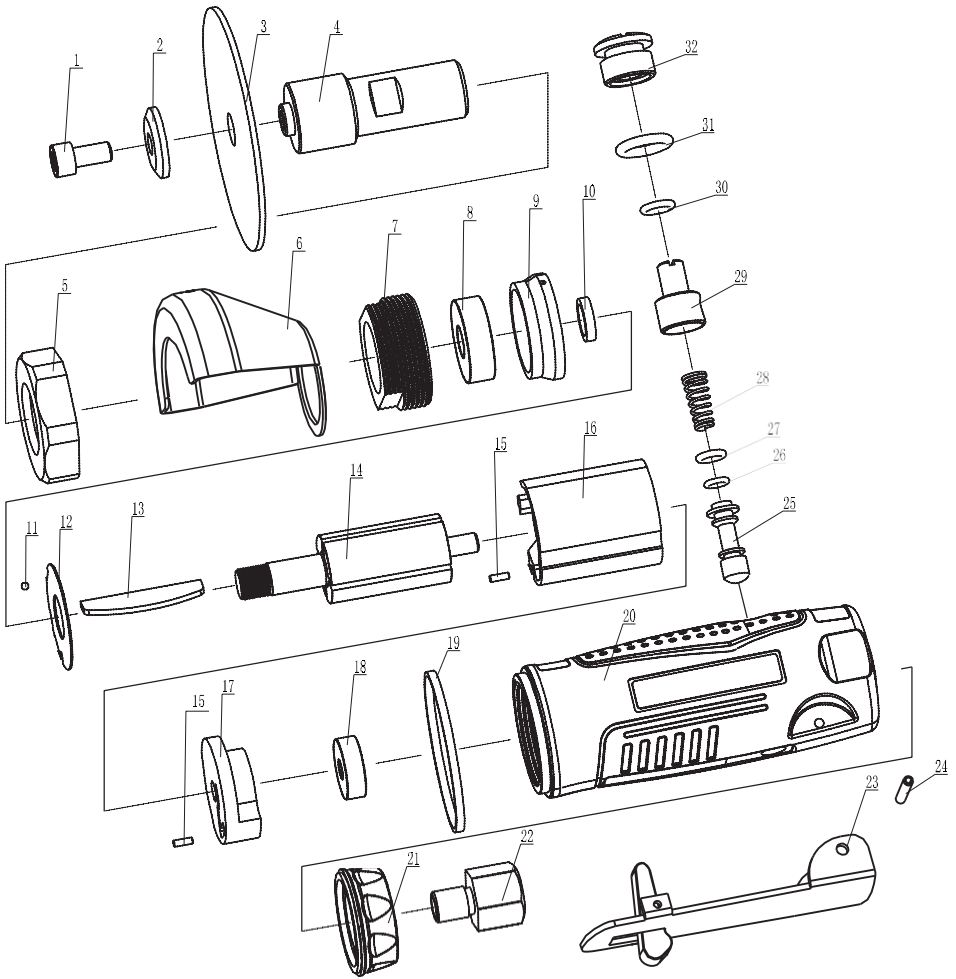
Failure to comply will lead to serious injury or loss of life.

Disconnect the tool from the air supply before making any adjustments. Repairs must be performed by a qualified service technician only.


The following chart lists common operating system issues and solutions. Please read it carefully and follow all instructions carefully.

Problem	Possible causes	Solutions
The tool does not run or runs slowly.	Motor valve or air inlet is blocked. Motor blades are worn.	Check the block. Add oil to air inlet. Pull the trigger several times. Replace the blade and sealing ring.
The runs at low speed. Air flows slightly from exhaust.	Air flow is blocked by dirt. Dirt particles are jammed in motor. Power adjustment button is closed due to vibration.	Check the air flow, and clear block. Clean the motor. Replace the adjustment button.
Tool stops working. Air flows freely from exhaust.	Motor blades are jammed or worn. Motor rotor is stuck due to rusting.	Oil the inlet. Pull the trigger several times Adjust the reverse button. Tap motor housing gently with wooden mallet.
Tool does not shut off.	Valve sealing ring was worn or deviated.	Replace O-rings. Lubricate the trigger.

EXPLODED VIEW



PARTS LIST

 **WARNING** When servicing, use only original equipment replacement parts. The use of any other parts may create a safety hazard or cause damage to the tool. Any attempt to repair or replace electrical parts on this tool may create a safety hazard unless repairs are performed by a qualified technician. For more information, call the Toll-free Helpline, at 1-866-349-8665.

Always order by PART NUMBER, not by key number.

Key#	Part #	Part Name	Qty
1	1282-726-001	Bolt	1
2	1282-726-002	Washer	1
3	1282-726-003	Cutting disc	1
4	1282-726-004	Fixed seat	1
5	1282-726-005	Front sheath	1
6	1282-726-006	Cutter sheath	1
7	1282-726-007	Lockage ring	1
8	1282-726-008	Bearing	1
9	1282-726-009	Front plate	1
10	1282-726-010	Rotor bushing	1
11	1282-726-011	Steel ball	1
12	1282-726-012	Gasket	1
13	1282-726-013	Rotor blade	4
14	1282-726-014	Rotor	1
15	1282-726-015	Pin	2
16	1282-726-016	Cylinder	1
17	1282-726-017	Back plate	1
18	1282-726-018	Bearing	1
19	1282-726-019	Rubber ring	1
20	1282-726-020	housing	1
21	1282-726-021	Noise reduction plate	1
22	1282-726-022	Air plug inlet	1
23	1282-726-023	Trigger	1
24	1282-726-024	Pin	1
25	1282-726-025	Lockage pin	1
26	1282-726-026	O-ring	1
27	1282-726-027	O-ring	1
28	1282-726-028	Lockage ring spring	1
29	1282-726-029	Regulator	1
30	1282-726-030	O-ring	1
31	1282-726-021	O-ring	1
32	1282-726-032	Adjusting nut	1

WARRANTY

BENCHMARK WARRANTY

If this Benchmark tool fails due to a defect in material or workmanship within five years from the date of purchase, return it to any Home Hardware store with the original bill of sale for exchange. 3-year warranty for the battery and charger. This warranty does not include expendable parts including but not limited to blades, brushes, belts, light bulbs. This warranty covers defects in material or workmanship only. It does not cover normal wear and tear, failure due to abuse/misuse, or defects caused by careless or accidental mishandling. If this Benchmark product is used for commercial or rental purposes, this warranty does not apply.

3" PNEUMATIC CUT OFF TOOL



5 Year Limited Warranty

BENCHMARK™
MC

BENCHMARK TOOLS CANADA

ST. JACOBS, ONTARIO N0B 2N0

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CUSTOMER SERVICE/TECH SUPPORT

1-866-349-8665

1282-726

Made in China



*This Benchmark™ product carries a five (5) year LIMITED warranty against defects in workmanship and materials. See Owner's Manual for full details.

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KEEP AWAY FROM CHILDREN.**



**WEAR CSA APPROVED
EYE PROTECTION**



**WEAR EAR
PROTECTION**



**WEAR A
FACE MASK**