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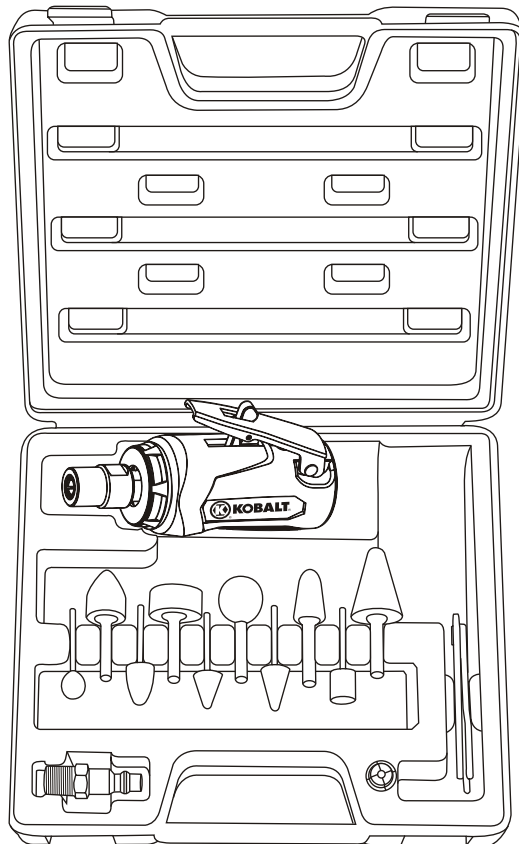
ITEM #0172332

AIR DIE GRINDER KIT

MODEL #SGY-AIR139

Français p. 14

Español p. 28



ATTACH YOUR RECEIPT HERE

Serial Number _____ **Purchase Date** _____



Questions, problems, missing parts? Before returning to your retailer, call our customer service department at 1-888-3KOBALT, 8:00 a.m.-8:00 p.m., EST, Monday-Friday.

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IMPORTANT: To operate correctly, this tool requires airflow that is at least 4.5 cubic feet per minute (CFM) at 90 pounds per square inch (PSI). Check the specifications of your air compressor to be sure that it can support both the minimum CFM and PSI required. An air hose may cause up to 15 PSI drop in pressure, so you may need to set the output higher to maintain the required pressure at the tool.

IMPORTANT : Cet outil nécessite un débit d'air d'au moins 4,5 pi³ par minute à une pression de 90 lb/psi². Vérifiez les spécifications de votre compresseur d'air afin de vous assurer qu'il satisfait aux exigences minimales (pi³/min et lb/psi²). L'utilisation d'un tuyau à air peut entraîner une chute de pression de jusqu'à 15 lb/psi². Il peut donc s'avérer nécessaire d'augmenter la pression afin de maintenir un niveau adéquat.

IMPORTANTE: Para funcionar de manera correcta, esta herramienta requiere un flujo de aire de por lo menos 4,5 pies cúbicos por minutos (CFM por sus siglas en inglés) para 90 libras por pulgada cuadrada (PSI, por sus siglas en inglés). Revise las especificaciones de su compresora de aire para asegurarse de que puede soportar tanto los CFM como las PSI mínimas requeridas. Una manguera de aire comprimido puede causar una caída de hasta 15 PSI en la presión, de manera que puede necesitar configurar la potencia más alta para mantener la presión requerida en la herramienta.

SAFETY INFORMATION

Please read and understand this entire manual before attempting to assemble, operate or install the product. If you have any questions regarding the product, please call customer service at 1-888-3KOBALT, 8:00 a.m.-8:00 p.m., EST, Monday-Friday.

WARNING

Improper operation or maintenance of this product could result in serious injury and property damage. Read and understand all warnings and operation instructions before using this equipment. When using air tools, basic safety precautions should always be followed to reduce the risk of personal injury.

WARNING

Some dust created by power sanding, sawing, grinding, drilling and other related activities contains chemicals known to the State of California to cause cancer, birth defects or other reproductive harm. A listing of chemicals can be obtained from www.oehha.ca.gov under proposition 65. Some examples of these chemicals are:

- Lead from lead-based paints
- Crystalline silica from bricks, cement and other masonry products
- Arsenic and chromium from chemically-treated lumber

Users of these tools should review the chemical composition of the work surface and any products in conjunction with the operation of these tools for any such chemicals prior to engaging in any activity that creates dust and/or microscopic particles.

Users should obtain the material safety data sheets from all identified chemicals, either from the manufacturer or their employer, and proceed to study, understand, and follow all instructions and warnings for exposure to such chemicals. 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.

PRODUCT SPECIFICATIONS

COMPONENT	SPECIFICATIONS
COLLET	1/4 IN.
FREE SPEED	25,000 RPM +/- 10%
AVERAGE AIR CONSUMPTION	4.5 CFM
AIR INLET	1/4 IN. NPT
AIR HOSE	3/8 IN.
WORKING PRESSURE	90 PSI

⚠ WARNING RISK OF EYE OR HEAD INJURY

WHAT COULD HAPPEN	HOW TO PREVENT IT
• Air powered tools are capable of propelling materials such as fasteners, metal chips, sawdust and other debris at high speed which could result in serious eye injury.	• Always wear ANSI approved Z87.1 safety glasses with side shields. • Never leave operating tool unattended. Disconnect air hose when tool is not in use.
• Compressed air can be hazardous. The air system can cause injury to soft tissue areas such as eyes, ears, etc. Particles or objects propelled by the stream can cause injury.	• For additional protection use an approved face shield in addition to safety glasses.
• Tool attachments can become loose or break and fly apart propelling articles at the operator and others in the work area.	• Make sure that any attachments are securely assembled.

⚠ WARNING RISK OF FIRE OR EXPLOSION

WHAT COULD HAPPEN	HOW TO PREVENT IT
• A grinding tool is capable of generating sparks, which could result in ignition of flammable materials.	• Never operate tools near flammable substances such as gasoline, naphtha, cleaning solvents, etc. • Work in a clean, well-ventilated area free of combustible materials. • Never use oxygen, carbon dioxide or other bottled gases as a power source for air tools.
• Exceeding the maximum pressure rating of tools or accessories could cause an explosion resulting in serious injury.	• Use compressed air regulated to a maximum pressure at or below the rated pressure of any attachments. • Never connect to an air source that is capable of exceeding 200 PSI. • Always verify prior to using the tools that the air source has been adjusted to the rated air pressure range.

⚠ WARNING RISK OF LOSS OF HEARING

WHAT COULD HAPPEN	HOW TO PREVENT IT
• Long term exposure to noise produced from the operation of air tools can lead to permanent hearing loss.	• Always wear ANSI S3.19 hearing protection.

⚠ WARNING INHALATION HAZARD

WHAT COULD HAPPEN	HOW TO PREVENT IT
• Abrasive tools, such as grinders, sanders and cut-off tools generate dust and abrasive materials, which can be harmful to human lungs and respiratory system.	• Always wear properly fitting facemask or respirator when using such tools.
• Some materials such as adhesives and tar contain chemicals whose vapors could cause serious injury with prolonged exposure.	• Always work in a clean, dry, well-ventilated area.

⚠ WARNING RISK OF INJURY

WHAT COULD HAPPEN	HOW TO PREVENT IT
• A tool left unattended, or with the air hose attached, can be activated by unauthorized persons leading to their injury or injury to others.	• Remove air hose when tool is not in use and store tool in secure location away from reach of children and untrained users.
• Air tools can propel fasteners or other materials throughout the work area.	• Use only parts, fasteners and accessories recommended by the manufacturer. • Keep work area clean and free of clutter. Keep children and others away from tool while it is in operation. • Keep work area well lit.
• A wrench or a key that is left attached to a rotating part of the tool increases the risk of personal injury.	• Remove adjusting keys and wrenches before turning the tool on.
• Using inflator nozzles for duster applications can cause serious injury.	• DO NOT use inflator nozzles for duster applications.
• Air tools can become activated by accident during maintenance or tool changes.	• Remove air hose to lubricate or add grinding attachments to the tool. • Never carry the tool by hose. • Avoid unintentional starting. Don't carry hooked-up tool with finger on trigger. • Only an authorized service representative should do repair servicing.
• Air tools can cause the workpiece to move upon contact, leading to injury.	• Use clamps or other devices to prevent movement.

⚠ WARNING RISK OF INJURY

WHAT COULD HAPPEN	HOW TO PREVENT IT
• Loss of control of the tool can lead to injury to self or others.	• Never use tool while using drugs or alcohol. • Don't overreach. Keep proper footing and balance. • Keep handles dry, clean and free from oil/grease. • Stay alert. Watch what you are doing. Use common sense. Do not operate tool when you are tired.
• Poor quality, improper or damaged tools and attachments can fly apart during operation, propelling particles throughout the work area causing serious injury.	• Always use tool attachments rated for the speed of the power tool. • Never use tools, which have been dropped, impacted or damaged by use. • Use only qualified grinding stones on this tool. • Do not apply excessive force to the tool; let the tool perform the work.
• Improperly maintained tools and accessories can cause serious injury.	• Maintain the tool and accessories with care. • Keep the tool clean. A properly maintained tool reduces the risk of binding and is easier to control.
• There is a risk of bursting if the tool is damaged.	• Check for misalignment or binding of moving parts, breakage of parts and any other condition that affects the tool's operation. If damaged, have the tool serviced before using.
• Use only accessories identified by the manufacturer to be used with specific tools.	• Use of an accessory not intended for use with the specific tools increases the risk of injury to persons.

⚠ WARNING RISK OF ELECTRIC SHOCK

WHAT COULD HAPPEN	HOW TO PREVENT IT
• Using air tools to attach electrical wiring can result in electrocution or death.	• Never use tools to attach electrical wiring while energized.
• This tool is not provided with an insulated gripping surface. Contact with a "live" wire will also make exposed metal parts of the tool "live" and can result in electrocution or death.	• Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators. There is an increased risk of electric shock if your body is grounded.

⚠ WARNING RISK OF ELECTRIC SHOCK

WHAT COULD HAPPEN	HOW TO PREVENT IT
• Air tool accessories such as grinding stones that come into contact with hidden electrical wiring could cause electrocution or death.	• Thoroughly investigate the workpiece for possible hidden wiring before performing work.

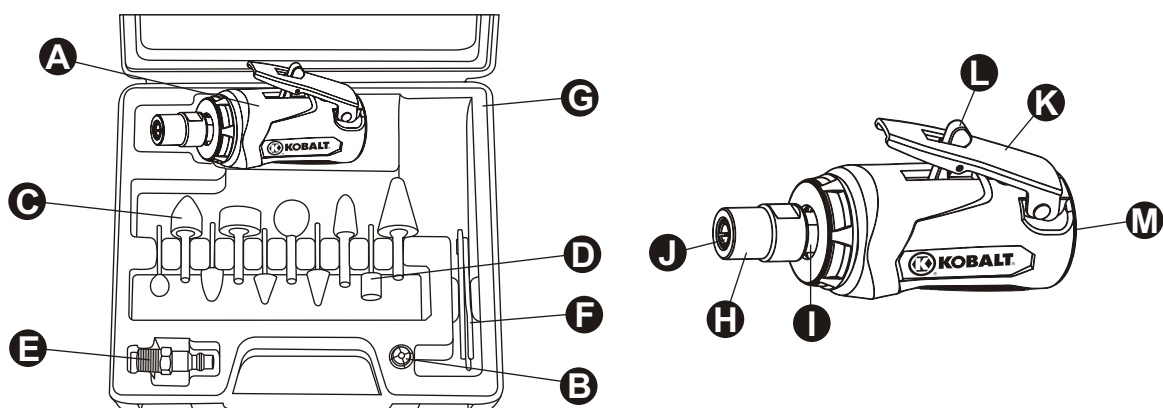
⚠ WARNING RISK OF ENTANGLEMENT

WHAT COULD HAPPEN	HOW TO PREVENT IT
• Tools which contain moving elements, or drive other moving parts, such as grinding stones, can become entangled in hair, clothing, jewelry and other loose objects, resulting in severe injury.	• Never wear loose fitting clothes or apparel that contains loose straps or ties, etc., which could become entangled in moving parts of the tools. • Remove any jewelry, watches, identifications, bracelets, necklaces, etc., which might become caught by the tool. • Keep hands away from moving parts. Tie up or cover long hair. • Always wear proper fitting clothing and other safety equipment when using the tool.

⚠ WARNING RISK OF CUT OR BURNS

WHAT COULD HAPPEN	HOW TO PREVENT IT
• A grinding tool would be capable of causing serious injury if it was operated in an improper way.	• Keep the working part of the tool away from hands and body.

PACKAGE CONTENTS



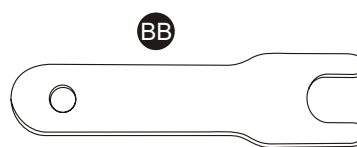
PART	DESCRIPTION	QUANTITY
A	Air Die Grinder	1
B	1/8 in. Collet	1
C	1/4 in. Shank Grinding Stone	5
D	1/8 in. Shank Grinding Stone	5
E	Male Plug	1
F	Wrench	2
G	Blow Molded Case	1

PART	DESCRIPTION	QUANTITY
H	Collet Jacket	1
I	Collet Holder	1
J	Collet	1
K	Trigger	1
L	Lever	1
M	Air Inlet	1

HARDWARE CONTENTS



Large Wrench
Qty. 1



Small Wrench
Qty. 1

PREPARATION

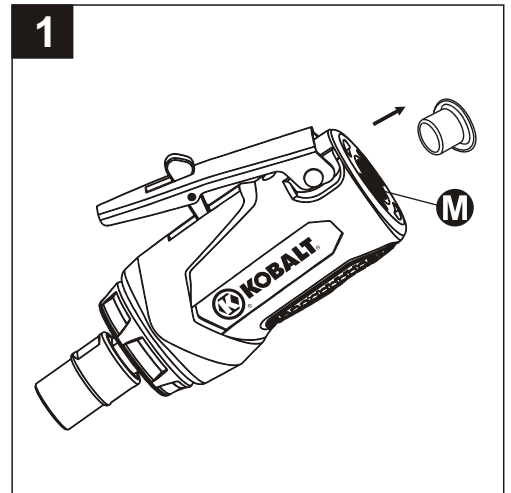
Before beginning assembly of product, make sure all parts are present. Compare parts with package contents list and hardware contents above. If any part is missing or damaged, do not attempt to assemble the product. Contact customer service for replacement parts.

Estimated Assembly Time: 5-10 minutes

Tools Required for Assembly (not included): Adjustable wrench

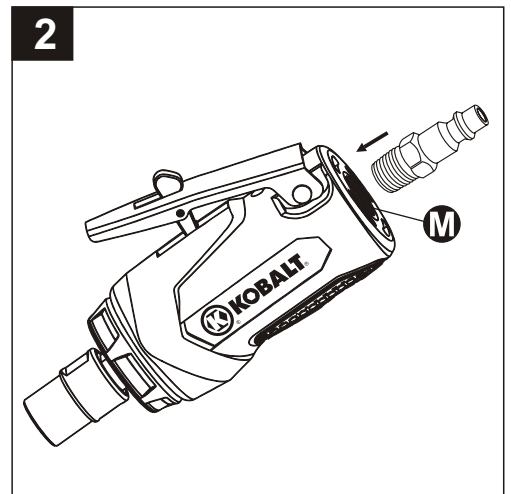
ASSEMBLY INSTRUCTIONS

1. Remove the air inlet protective cap from the air inlet (M). (See Figure 1)

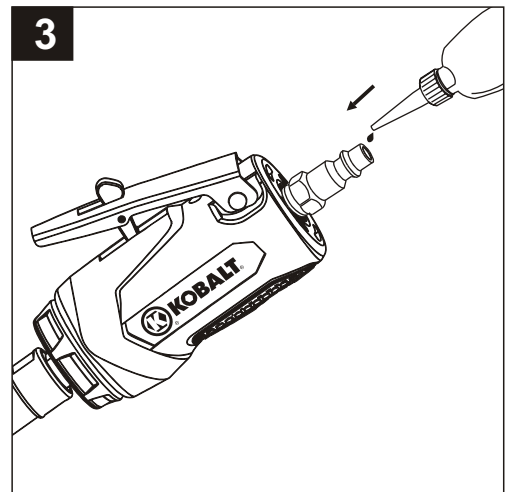


2. Mount the male plug (E) by hand into the air inlet (M). (See Figure 2)

NOTE Use thread sealant tape (not included) on the male plug and tighten it with a wrench (not included) for airtight connection. Do not overtighten.

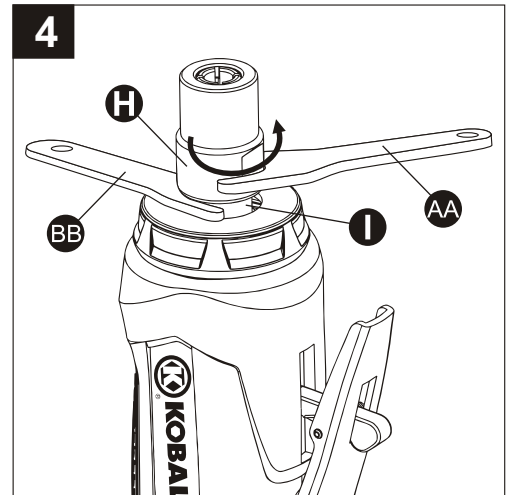


3. Place 2 - 3 drops of air tool oil (not included) into the male plug (E) before each use. (See Figure 3)



ASSEMBLY INSTRUCTIONS

4. Loosen the collet jacket (H) with large wrench (AA) by turning counterclockwise while holding the small wrench (BB) on the flats of collet holder (I). (See Figure 4)

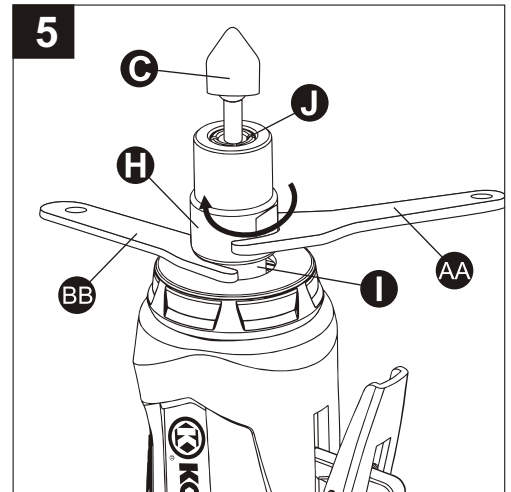


5. Insert a 1/4 in. shank grinding stone (C) into the collet (J). Then tighten the collet jacket (H) with large wrench (AA) by turning clockwise while holding the small wrench (BB) on the flats of collet holder (I). Make sure the 1/4 in. shank grinding stone (C) is installed securely and tightly. (See Figure 5)

NOTE When a 1/8 in. shank grinding stone (D) is to be fitted, the 1/8 in. collet (B) should be installed first.

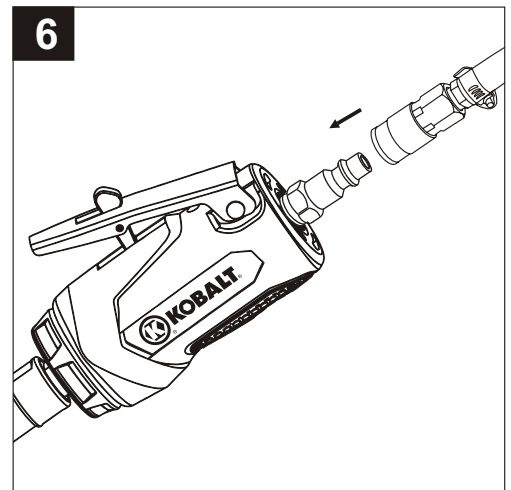
⚠ WARNING

Only use grinding accessories that have an RPM rating equal to or greater than the tool itself.



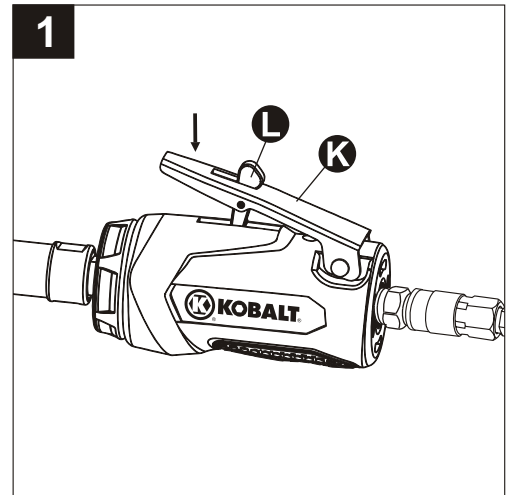
6. Connect air supply hose to the male plug. Set the working pressure at 90 PSI for best tool performance. (See Figure 6)

NOTE Working pressure refers to the air line pressure set to tool when tool is under working conditions.



OPERATING INSTRUCTIONS

1. Push lever (L) forward and press down on the trigger (K) to start the tool (A). (See Figure 1)



CARE AND MAINTENANCE

An in-line oiler is recommended to be installed on air supply line as it increases tool life and keeps the tool in sustained operation. The in-line oiler should be regularly checked and filled with air-tool oil. Proper adjustment of the in-line oiler is performed by placing a sheet of paper next to the tool's exhaust ports and holding the throttle open approximately 30 seconds. The in-line oiler is properly set when a light stain of oil collects on the paper. Excessive amounts of oil should be avoided.

In the event that it becomes necessary to store the tool for an extended period of time, it should receive a generous amount of lubrication at that time. The tool should be run for approximately 30 seconds to ensure oil has been evenly distributed throughout the tool. The tool should be stored in a clean and dry environment.

Recommended lubricants: use air-tool oil or any other high-grade turbine oil containing moisture absorbent, rust inhibitors, metal wetting agents and an EP (extreme pressure) additive.

Clean the tool all over with a cotton rag after each use. Keep the tool in a dry and safe place out of reach of children.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
Tool runs slowly or will not operate	1. Grit or gum in tool. 2. No oil in tool. 3. Low air pressure. 4. Air hose leaks. 5. Pressure drops. 6. Worn rotor blade. 7. Moisture blowing out of tool exhaust.	1. Flush the tool with air-tool oil or gum solvent. 2. Lubricate the tool. 3. a. Adjust the regulator on the tool to maximum setting. b. Adjust the compressor regulator to tool maximum of 90 PSI. 4. Tighten and seal hose fittings if leaks are found. Use sealing tape. 5. a. Be sure the hose is the proper size. Long hose or tools using large volumes of air may require a hose with an I.D. of 1/2 in. or larger depending on the total length of the hoses. b. Do not use a multiple number of hoses connected together with quick-connect fittings. This causes additional pressure drops and reduces the tool power. Directly connect the hoses together. 6. Replace rotor blade. 7. Water in tank; drain tank. (See air compressor manual). Oil tool and run until no water is evident. Oil tool again and run 1-2 seconds.

THREE-YEAR LIMITED WARRANTY

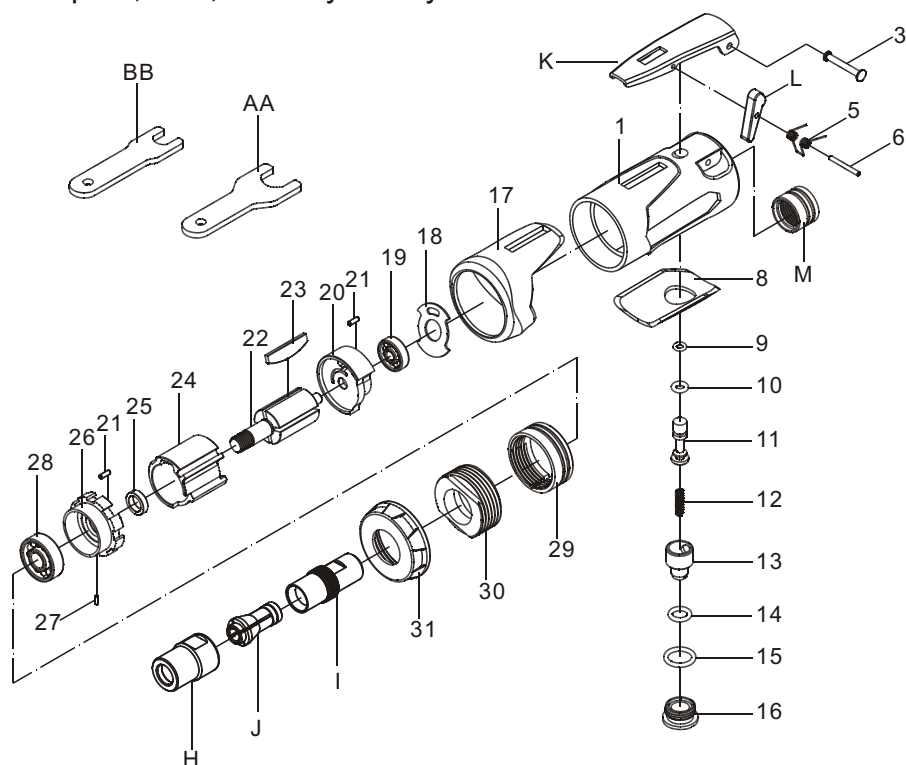
This tool is warranted by the manufacturer to the original purchaser from the original purchase date for three (3) years subject to the warranty coverage described herein. This tool is warranted to the original user to be free from defect in material and workmanship. If you believe that a tool is defective, return the tool, with proper proof of purchase to the point of purchase. If it is determined that the tool is defective and covered by this warranty, the distributor will replace the tool or refund the purchase price.

This warranty is void if: defects in materials or workmanship or damages result from repairs or alterations which have been made or attempted by others or the unauthorized use of nonconforming parts; the damage is due to normal wear, damage is due to abuse (including overloading of the tool beyond capacity), improper maintenance, neglect or accident; or the damage is due to the use of the tool after partial failure or use with improper accessories or unauthorized repair or alteration. This warranty gives you specific legal rights, and you may also have other rights that vary from state to state.

For warranty questions, call our customer service department at 1-888-3KOBALT, 8:00 a.m.-8:00 p.m. EST, Monday-Friday.

REPLACEMENT PARTS LIST

For replacement parts, call our customer service department at 1-888-3KOBALT, 8:00 a.m.-8:00 p.m., EST, Monday-Friday.



Part No.	Description	Qty.
1	Housing	1
K	Trigger	1
3	Trigger pin	1
L	Lever	1
5	Spring	1
6	Pin	1
M	Air Inlet	1
8	Soft grip	1
9	O-ring	1
10	O-ring	1
11	Valve stem	1
12	Spring	1
13	Air regulator	1
14	O-ring	1
15	O-ring	1
16	Valve plug	1
17	Front cover	1
18	Gasket	1

Part No.	Description	Qty.
19	Bearing	1
20	End plate	1
21	Pin	2
22	Rotor	1
23	Rotor blade	4
24	Cylinder	1
25	Rotor collar	1
26	Front plate	1
27	Pin	1
28	Bearing	1
29	Valve bushing	1
30	Retainer	1
31	Housing cap	1
I	Collet holder	1
J	Collet	1
H	Collet jacket	1
BB	Small wrench	1
AA	Large wrench	1