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INTRODUCTION

- THIS PRODUCT has many features for making the use of this product more pleasant and enjoyable. Safety, performance, and dependability have been given top priority in the design of this product making it easy to maintain and operate.

⚠ WARNING: Do not attempt to use this product until you thoroughly read and completely understand the operator's manual. Pay close attention to the safety rules, including Dangers, Warnings, and Cautions. If you use your product properly and only as intended, you will enjoy years of safe, reliable service.

- ⚠** Look for this symbol to point out important safety precautions. It means attention!!! Your safety is involved.



⚠ WARNING: The operation of any tool can result in foreign objects being thrown into your eyes, which can result in severe eye damage. Before beginning operation, always wear safety goggles or safety glasses with side shields and a full face shield when needed. We recommend Wide Vision Safety Mask for use over eyeglasses or standard safety glasses with side shields. Always wear eye protection which is marked to comply with ANSI Z87.1.

GENERAL SAFETY RULES

▲ WARNING: When using tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment. Read all instructions before using the tool!

- **Work area conditions.** Cluttered areas invite injuries.
- **Additional work area conditions.** Do not use machines or power tools in damp or wet locations. Do not expose to rain. Keep work area well lighted.
- **Keep children away.** Children must never be allowed in the work area. Do not let them handle machines, tools or extension cords.
- **Store idle equipment.** When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
- **Use the right tool for the job.** Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. There are certain applications for which this tool was designed. It will do the job better and more safely at the rate for which it was intended. Do not modify this tool and do not use this tool for a purpose for which it was not intended.
- **Dress properly.** Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically non-conductive clothes and non-skid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
- **Use eye protection.** Always wear ANSI approved impact safety glasses underneath a full face shield during use. Also, wear heavy duty work gloves.
- **Do not overreach.** Keep proper footing and balance at all times. Do not reach over or across running machines.
- **Maintain tools with care.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. The handles must be kept clean, dry, and free from oil and grease at all times.
- **Remove adjusting keys and wrenches.** Check that keys and adjusting wrenches are removed from the tool or machine work surface before starting work.
- **Stay alert.** Watch what you are doing, use common sense. Do not operate any tool when you are tired.
- **Check for damaged parts.** Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Any part that is damaged should be replaced.
- **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this tool. Approved accessories are available from Cummins Industrial Tools.
- **Do not operate tools if under the influence of alcohol or drugs.** Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the tool.

▲ WARNING: The warnings, cautions, and instructions discussed in this instruction manual can not cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which can not be built into this product, but must be supplied by the operator.

SPECIFIC SAFETY RULES

⚠ WARNING: Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contain chemicals known (to the State of California) to cause cancer, birth defects or other reproductive harm. Some examples of these chemicals are:

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

Your risk from these exposures varies, depending on how often you do this type of work. To reduce your exposure to these chemicals, work in a well ventilated area and with approved safety equipment such as those dust masks that are specially designed to filter out microscopic particles. (California Health & Safety Code 25249.5 et seq.)

⚠ WARNING: The brass components of this product contain lead, a chemical known to the State of California to cause birth defect (or other reproductive harm). (California Health & Safety Code 25249.5 et seq.)

PRODUCT SPECIFICATIONS

Item	Description
Chuck	1/2 inch
Rated Air Pressure	90 PSI at 4 CFM
Recommended Hose	3/8 inch
Speed	550 RPM
Air Inlet	1/4" – 18 NPT
Weight	3.75 lb

UNPACKING

INSTRUCTIONS

When unpacking the tool:

- Carefully remove the tool and accessories from the box.
- Make sure that all items listed in the packing list are included.
- Inspect the tool carefully to make sure no breakage or damage occurred during shipping.
- Do not discard the packing material until you have carefully inspected and satisfactorily operated the tool.

⚠ WARNING: If any part are missing do not operate the tool until the missing parts are replaced. Failure to do so could result in possible serious personal injury.

PACKING LIST

- 1/2 inch Air Drill
- Handle
- Brass Ring
- Chuck Key

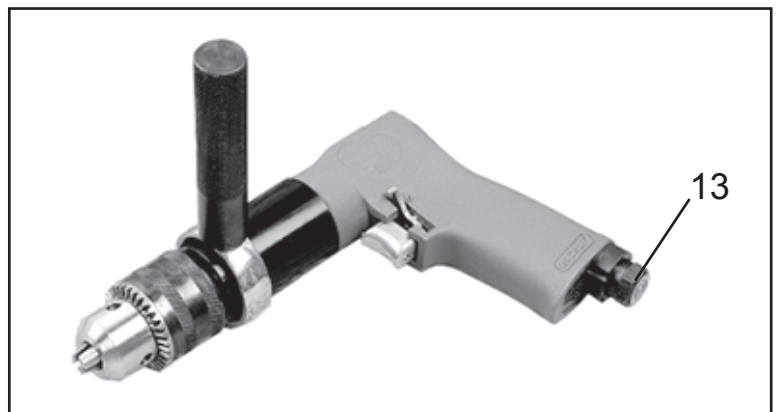
FEATURES

- Composite housing and rubber pistol grip reduce effects of vibration
- Strong & lightweight construction
- Handle exhaust with muffler gives low noise output
- High quality rotor & bearings provide smooth operation
- Free speed - 450 RPM
- Air pressure - 90 PSI
- Air consumption - 4 CFM
- Air inlet - 1/4" NPT
- Air hose - 3/8" ID

ASSEMBLY

Air Connection

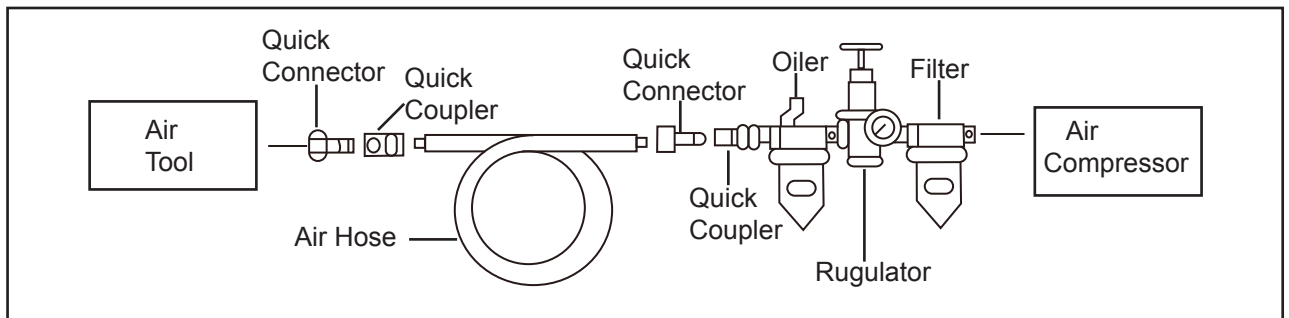
- 1- Attach the Air Quick Coupler (not supplied) to the Air Inlet (13) fitting.
- 2- If desired, for easy connection and removal, attach an Air Quick Coupler (not supplied) to the air compressor hose.
- 3- Tighten all couplings and fittings. See picture below.



ASSEMBLY

Oiler and Filter Connection

- Dirt, water, and the lack of pneumatic tool oil and major causes for tool wear. Install an optional oiler-filter as illustrated below for better performance.
 - The filter and oiler (not supplied) are recommended but not mandatory for operation.
 - If the filter and oiler are not used, connect the air hose directly to the 1/4 inch, 18 NPT connector located at the Air Inlet (13) fitting. Also, a few drops of pneumatic tool oil must be added through the air line before each use.
- 1- Connect the air tool, air hoses, filter, and oiler to the compressor's air outlet.



Note: Use pipe thread seal or Teflon tape on all threaded connections.

Side Handle

- 1- Slip the Brass Ring (35) over the Clamp Nut (30) and point the threads to either the left or right side for the desired operation.
- 2- Screw the Handle (34) onto the threads of the Brass Ring and tighten.

OPERATION

- 1- Attach the desired bit (not supplied) to the Air Drill Chuck (32), making sure it is locked in place with Chuck Key (36).
- 2- Connect the compressor air hose (3/8") to the Air Inlet (13) on the handle of the housing (1).
- 3- Set the (1.5 HP minimum) air compressor pressure regulator to 90 PSI.
If any air leaking, disconnect the air hose and repair the leak.
- 4- Grip the Air Drill firmly with both hands and press down on the Trigger (8).

▲ CAUTION: If the Air Drill will not turn, or if it stalls while drilling, do not raise the outlet pressure of the air compressor. Do not continue with attempts to drill until the problem is resolved.

- 5- When you are finished drilling, turn the compressor off, then remove the hose connection to the Air Drill.

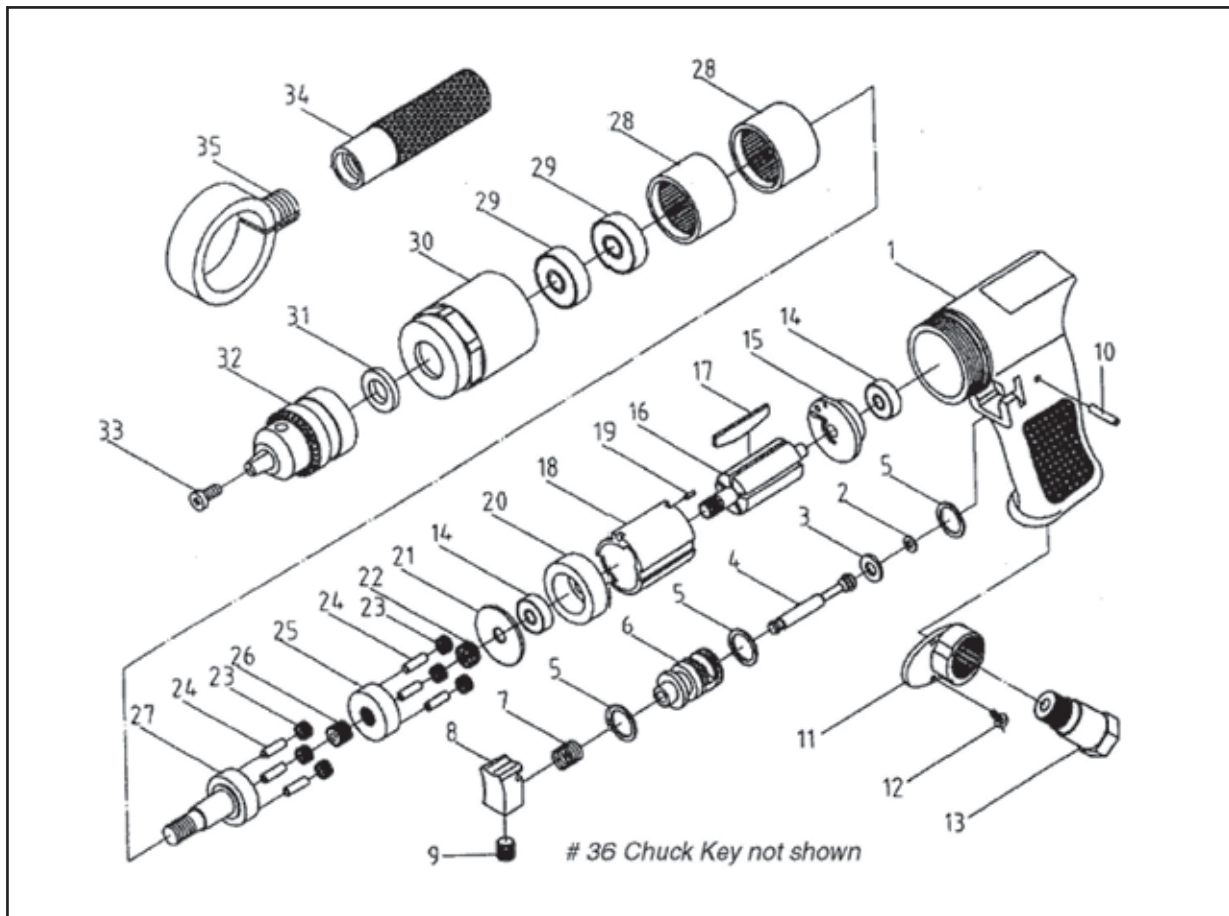
MAINTENANCE

- 1- After each use, wipe the Air Drill with a clean cloth to remove any dirt and grease buildup.
- 2- To maintain tool life, always lubricate the air line by adding a few drops of pneumatic tool oil to the air line before each use. Or, install automatic oiler-filter system as illustrated above.
- 3- Before each use, drain water out of the air compressor tank and condensation from the air lines. Refer to the Air Compressor Operator's Manual.

Manual Lubrication

- 1- Disconnect the Air Drill from the air supply and turn it so the Air Inlet fitting is facing upward.
- 2- Hold the Trigger (8) in and place a few drops of pneumatic tool oil into the air inlet (use SAE #10 weight oil if air tool oil is not available). Holding the Trigger lever in helps circulate the oil in the air motor.
- 3- Connect the Air Drill to the air supply and cover the Muffler Cover (11) with a towel. Run for a few seconds. Excess oil will be blown out of the Muffler Cover.

EXPLODED DIAGRAM & PARTS LIST



No	Description	Qty	No	Description	Qty
1.	Housing	1	19.	Pin	1
2.	O-Ring	1	20.	Front Plate	1
3.	O-Ring	1	21.	Washer	1
4.	Valve Stem	1	22.	Gear	1
5.	O-Ring	3	23.	Gear	6
6.	Bushing	1	24.	Pin	6
7.	Trigger Spring	1	25.	Gear Plate	1
8.	Trigger	1	26.	Gear	1
9.	Trigger Screw	1	27.	Work Spindle	1
10.	Pin	1	28.	Thread Ring Gear	2
11.	Muffler Cover	1	29.	Bearing	2
12.	Screw	2	30.	Clamp Nut	1
13.	Air Inlet	1	31.	Washer	1
14.	Bearing	2	32.	Chuck	1
15.	End Plate	1	33.	Chuck Screw	1
16.	Rotor	1	34.	Handle	1
17.	Rotor Blade	5	35.	Brass Ring	1
18.	Cylinder	1	36.	Chuck Key	1