Notice

90% of all Air Tool problems are caused by
moisture in air lines
This problem can be avoided by using Air Tool Lubricant
(See "*Lubrication" & "Air Supply" sections of this manual)*
FAILURE TO OIL **can void your warranty**

1 Year Limited Warranty

K-Tool International air tools are warranted against defects in materials or workmanship for 1 year from date of purchase. We will repair or replace at our option any defective part or unit which proves to be defective in material or workmanship. The foregoing obligation is *K-Tool International's* sole liability under this or any implied warranty, and, under no circumstances, shall it be liable for any incidental or consequential damages.

This warranty applies to the basic tool. It does not apply to normal wear and tear on attached accessories/consumable products such as drill chucks, backing pads for sanders, punch and die for nibblers, air hammer retainers, spray gun cups, or "*kit*" accessories, etc.

Naturally, repairs required by abuse, misuse, damage, or repair attempts by others are not covered by this warranty.

Return tools to *Warranty Center* transportation prepaid. Be certain to include your name, address, evidence of the purchase date, and description of the suspected defect.

Please include with your returned tool a short note explaining the problem. Should you experience a problem within your warranty period, ship prepaid to:

Z-001

K TOOL INTERNATIONAL

KTI-84218 3/8" DRILL
KTI-84217 3/8" DRILL
W/Keyless Chuck

Operating Instructions, Parts List,
Warranty, & Warranty Repair Center

IMPORTANT! Read carefully before operating this tool. Failure to operate any power tool properly can result in personal injury and/or property damage!

SPECIFICATIONS

Speed (RPM)	2000	Spindle Size	3/8" - 24
Chuck Size)	3/8"	Overall Length	7-1/2"
Air Pressure (PSI)	90	Shipping Weight (LBS)	3
Hose Size (ID)	3/8"	Avg. Air Consump.. (cfm)	4
Air Inlet (NPT)	1/4"		

Safety

1. Before starting tool, verify the direction of the rotation is correct for the operation to be performed.
2. Do not change the direction of rotation while the tool is running.
3. Never hold work in your hand, lap, or against other parts of the body.
4. Never take any risks with your eyes. Always wear approved eye protection.
5. Have throttle in "off" position when connecting to air supply.
6. Disconnect tool before performing service, changing accessories, or when not in use.
7. Always use tool a safe distance from other people in work area.
8. Secure work with clamps or vise so both hands are free to operate tool. Don't overreach. Keep proper footing and balance at all times.
9. Maintain tools with care. Keep tools clean and oiled for best and safest performance. Follow instructions for lubricating and changing accessories. Wiping or cleaning rags and other flammable waste materials must be placed in a tightly closed metal container and disposed of later in the proper fashion.
10. Do not wear loose or ill fitting clothing; remove watches and rings.
11. Use proper hose and fitting. Never use quick change couplings attached at tool. They add weight and could fail due to vibration. Instead, add a hose whip and connect coupling between air supply and hose whip, or between hose whip and leader hose.
12. Don't force tool. It will do the job better and safer at the rate of which it was designed.
13. Don't abuse hoses or connectors. Never carry tool by the hose or yank it to disconnect from power supply. Keep hoses from heat, oil, and sharp edges. Check hoses for weak or worn condition before each use, making certain that all connections are secure.

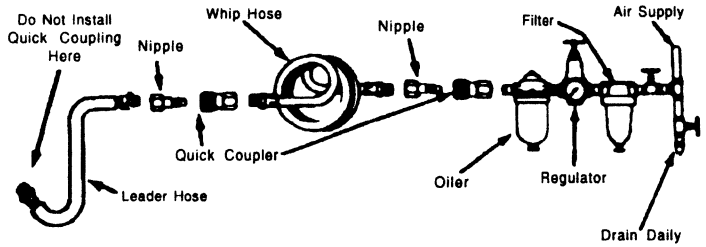
Lubrication

Lubricate the tool daily with a good grade of air tool oil. If no air line oiler is used, run a teaspoon of oil through the tool. The oil can be squirted into the tool air inlet or into the hose at the nearest connection to the air supply, then run the tool. A rust inhibitive oil such as *"Marvel Mystery"* oil is acceptable for air tools.

Air Supply

Drills of this class operate on a wide range of air pressure. It is recommended that air pressure of these tools measures 90 PSI at the tool while running free. Higher pressure and unclean air will shorten the tool's life because of faster wear and may create a hazardous condition.

Water in the air line will cause damage to the tool. Drain the air tank daily. Clean the air inlet filter screen on at least a weekly schedule. The recommended hookup procedure can be viewed in the illustration below.



The air inlet, used for connecting air supply, has standard 1/4" NPT American Thread.

Line pressure should be increased to compensate for unusually long air hoses (over 25 feet). Minimum hose diameter should be 1/4" I.D. and fittings should have the same inside dimensions.

Operating Instructions

Locate center of new hole by using a center punch. Place drill bit tip in punch mark. Hold drill square with work and start motor. Apply steady, even pressure. Do not force. Too much pressure can cause bit to break or over heat and can cause personal injury. To little pressure will keep bit from cutting and cause it to over heat.

Reduce pressure just before bit cuts through the work. When bit has penetrated work and is spinning freely, take it from the work while the motor is running, then turn off drill.

If the drill jams in the work, release throttle immediately. Disconnect the drill before removing bit and determining cause of trouble. Do not attempt to free the bit by starting and stopping the motor. When changing bits, always disconnect the tool from the air line. A faulty start can cause person al injury.

Maintenance

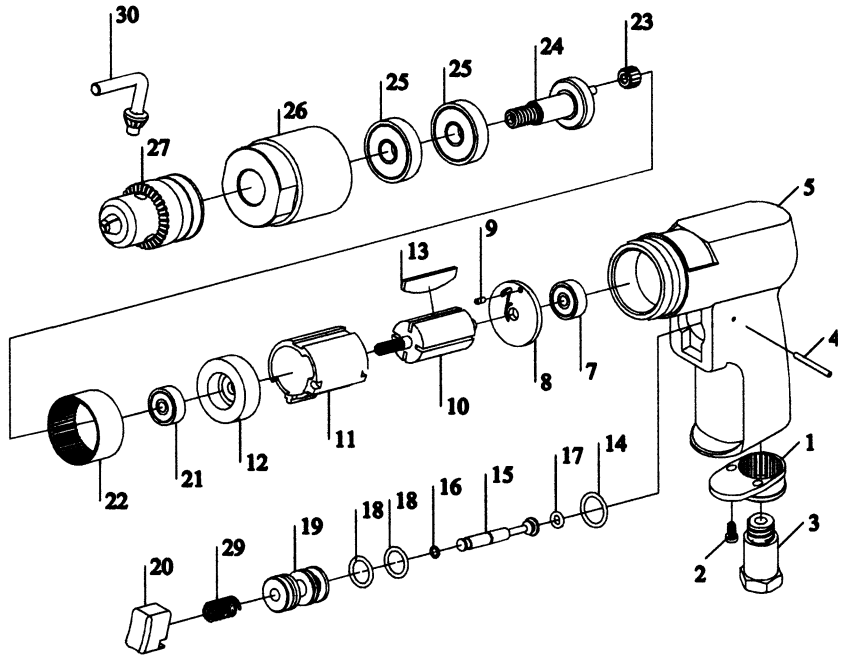
Other factors outside the tool may cause loss of power or erratic action. Reduced compressor output, excessive drain on the air line, moisture or restriction in air pipes or the use of hose connections of improper size or poor condition may reduce air supply. Grit or gum deposits in the tool may cut power and may be corrected by cleaning the air strainer and flushing out the tool with gum solvent oil or an equal mixture of SAE#10 oil and kerosene. If outside conditions are in order and tool is out-of-warranty, disconnect tool from hose, disassemble tool, replace worn or damaged parts, clean, reassemble, and re-lubricate, or take tool to any air tool service center. For tools in warranty period, send tool direct to *Warranty Center.*

KTOOL INTERNATIONAL

3/8" DRILL
KTI-84218

3/8" DRILL
w/ Keyless Chuck
KTI-84217

3/8" Planetary Gear Drill



Ref.No.	PartNo.	Description	Qty	Ref.No.	PartNo.	Description	Qty
1	603001	Housing End Cap	1	16	603016	O-Ring	1
2	603002	Screw	2	17	603017	O-Ring	1
3	603003	Air Inler	1	18	603018	O-Ring	2
4	603004	Pin	1	19	603019	Valve Body	1
5	603005	Motor Housing	1	20	603020	Trigger	1
7	603007	Ball Bearing	1	21	603021	Ball Bearing	1
8	603008	Roar End Plate	1	22	603022	Internal Gear	1
9	603009	Roll Pin	1	23	603023	Planet Gear	3
10	603010	Rotor	1	24	603024	Planet Cage	1
11	603011	Cylinder	1	25	603025	Ball Bearing	2
12	603012	Front End Plate	1	26	603026	Clamp Nut	1
13	603013	Rotor Blade	4	27	603027	Chuck(3/8")	1
14	603014	O-Ring	1	29	603029	Spring	1
15	603015	Valve Stem	1	30	603030	Key	1

97/07/10