



**REG. HD AIR HAMMER
KTI-83275**
**STD. DUTY NEEDLE SCALER
KTI-89275**
**REG. LONG AIR HAMMER
KTI-83277**

*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

Blows/Min. (BPM) 83275	3500	Shank401"
Blows/Min. (BPM) 83277	2000	Bore Size	3/4"
Blows/Min. (BPM) 89275	3500	Avg. Air Consump.(cfm)	4 - 6
Air Pressure (PSI)	90	Length 83275	6-3/4"
Hose Size (ID)	3/8"	Length 83277	9"
Air Inlet (NPT)	1/4"	Length 89275	12"

Safety

1. Never take any risks with your eyes. Always wear approved eye protection.
2. Have throttle in "off" position when connecting to air supply.
3. Disconnect tool before performing service; changing accessories, or when not in use.
4. Always use tool a safe distance from other people in work area.
5. Keep tool away from body when it is running. Do not wear loose or ill fitting clothing; remove watches and rings.
6. 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.
7. 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.
8. 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.
9. Never operate air hammer without a tool bit (chisel) properly installed in tool and against work. This can cause damage to the barrel.
10. Never operate air hammer pointing in direction of other people.

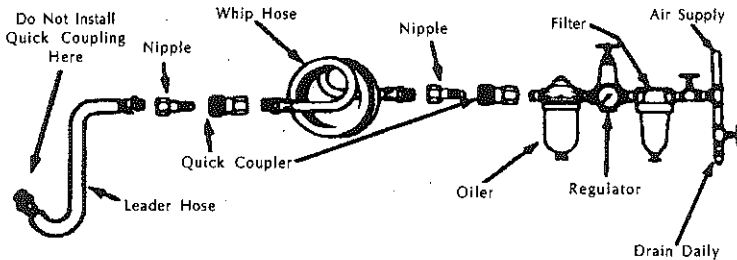
Lubrication

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

Tools 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

The air regulator knob can be used as an air throttle and can be used for setting power control. Turn the air regulator lever up for maximum power.

The air inlet used for connecting air supply has standard 1/4" NPT thread. Have throttle in "off" position when connecting to air supply. Disconnect tool before performing service, changing accessories and when not in use. Always use tool a safe distance from other people in work area. 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.

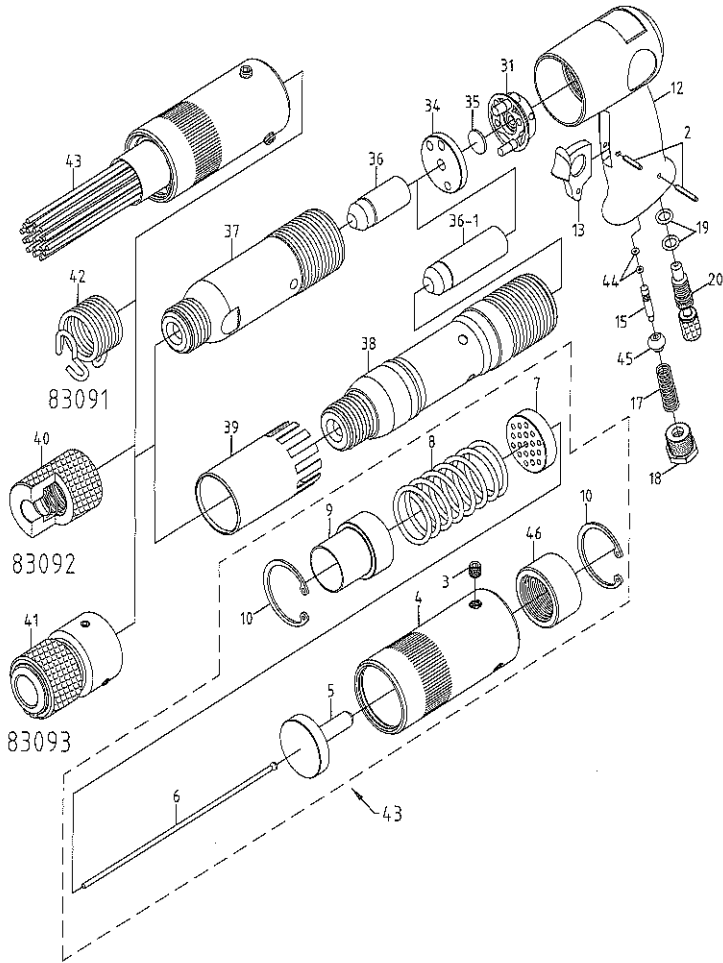
Do not operate over 90 PSI. Higher air pressure than recommended will not allow the valve disc (#35) to properly function.

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*.



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Ref. #	Part #	Description	Ref. #	Part #	Description
2	729006	Pin	36	729876	Piston(2 5/8" Stroke)
10	731915	Snap Ring	36-1	21014	Piston(L)
11	832139	Plastic Bushing(not shown)	37	729877	Medium Cylinder-Round
12	729814	Handle	38	21015R	Cylinder(R)(L)
13	729439	Trigger	39	21019	Exhaust deflector
15	729870	Push Rod	40	83092	Safety Chuck
17	729869	Spring	41	83093	Quick Change Chuck
18	729455	Intake Bushing	42	83091	Spring Retainer
19	1010043	O-Ring	43	83090	Needle Scaler Attachment
20	729868	Regulator	44	100051	O-Ring(d2.0*w1.5)
31	731030	Upper Valve Case	45	21209	Valve ball
34	731032	Lower Valve Case	46	20309	Adapter
35	731031	Valve Disc			

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