

STANLEY[®]

US

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PROFESSIONAL GRADE

Medium Barrel AIR HAMMER

97-007A

- 2,800 Blows per minute
- Uses Standard .401" shank chisels
- Heat treated parts for longer life
- Longer Barrel length delivers increased power
- Suggested applications: Automotive applications, home, and farm

WARNING

 Read and Understand this Instruction Manual and Tool Labels Before Installing, Operating or Servicing this Tool. Keep these instructions in a safe accessible place.

 Operators and Others in Work Area Must Wear Safety Glasses with Side Shields.

 Operators and Others in Work Area Must Wear Ear Protection.

Disconnect when Oiling or Servicing the Tool, or when Changing Attachments.

Never operate the hammer without a chisel and the chisel spring retainer properly installed.

Do Not Use Oxygen or Reactive Gases. Explosion may occur.

Do Not Exceed Air Pressure of 90 PSI

 Oil daily for superior performance.

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Proper Use Of Tool

The tool is designed for the purpose of chipping, riveting and scaling of metal and stone. In general terms a reciprocating free piston in the cylinder of the tool imparts a blow to the chisel or working attachment. A list of suitable equipment to use with this tool can be provided by the manufacturer. Do not use the tool for any other purpose than that for which it was designed without consulting the manufacturer or the manufacturer's authorized representative.

Work Stations

The tool should only be used as a handheld hand operated tool. It is always recommended that the tool is used when standing on the solid floor. It can be used in other positions but before any such use, the operator must be in a secure position having firm grip and footing and be aware of the extra safety precautions that must be obeyed when using the air hammer.

Putting Into Service

Air Supply

Use a clean lubricated air supply that will give a measured air pressure at the tool of 90 p.s.i./6.2 bar when the tool is running with the trigger/lever fully depressed. Use recommended hose size and length. It is recommended that the tool is connected to the air supply as shown in figure A. Do not connect the tool to the air line system without incorporating an easy to reach and operate air shut off valve. The air supply should be lubricated. It is strongly recommended that an air filter, regulator, lubricator (FRL) is used as shown in figure A as this will supply clean, lubricated air at the correct pressure to the tool. Details of such equipment can be obtained from your supplier. If such equipment is not used then the tool should be lubricated by shutting off the air supply to the tool, depressurising the line by pressing the trigger on the tool. Disconnect the air line and pour into the hose adapter a teaspoonful of a suitable pneumatic motor lubricating oil preferably incorporating a rust inhibitor. Reconnect tool to air supply and run tool slowly for a few seconds to allow air to circulate the oil. If tool is used frequently lubricate on daily basis and if tool starts to slow or lose power. It is recommended that the air pressure at the tool whilst the tools is running is 90 p.s.i./6.2 bar.

Operating Instructions

Connect tool to clean supply of compressed air at recommended pressure. Select chisel attachment to perform the work task and ensure that the chisel retainer is securely fitted. Do not use tool without retainer spring retainer fitted. The power of the tool may be controlled by the input air pressure. Always ensure that the working tool is in contact with the workpiece before pressing the trigger. Running the tool free will reduce tool life by placing unnecessary high loads on tool retainers and cylinders.

Using A Percussive Air Hammer

- 1) Read all the instructions before using this tool. All operators must be fully trained in its use and aware of these safety rules.
- 2) Do not exceed the maximum working air pressure of 90 ps.i./6.2 bar.
- 3) Use personal safety equipment.
- 4) Use only compressed air at the recommended conditions.
- 5) If the tool appears to malfunction remove from use immediately and arrange for service and repair.
- 6) If the tool is used with a balancer or other support device ensure that it is fixed securely.
- 7) Always keep hands away from the working attachment fitted to the tool.
- 8) The tool is not electrically insulated. Never use the tool if there is any chance of it coming into contact with live electricity.
- 9) Always when using the tool adopt a firm footing and/or position and grip the tool firmly to be able to counteract any forces or reaction forces that may be generated whilst using the tool.
- 10) Use only correct spare parts. Do not improvise or make temporary repairs.
- 11) Do not lock tape, wire, etc. the on/off valve in the run position. The trigger/lever etc. must always be free to return to the 'off' position when it is released.
- 12) Always shut off the air supply to the tool, and depress the trigger/lever etc. to exhaust air from the feed hose before fitting, adjusting or removing the working attachment.
- 13) Check hose and fittings regularly for wear. Replace if necessary. Do not carry the tool by its hose and ensure the hand is remote from the on/off control when carrying the tool with the air supply connected.
- 14) Take care against entanglement of moving parts of the tool with clothing, ties, hair, cleaning rags, etc. This will cause the body to be drawn towards the tool and can be very dangerous.
- 15) It is expected that users will adopt safe working practices and observe all relevant legal requirements when installing, using or maintaining the tool.

- 16) Do not install the tool unless an easily accessible and easily operable on/off valve is incorporated in the air supply.
- 17) Take care that the tool exhaust air does not cause a problem or blows on another person.
- 18) Never lay a tool down unless the working attachment has stopped moving.
- 19) Never point a tool at any person.
- 20) Use only suitable pneumatic lubricants, this is important as a safeguard against the "diesel effect" i.e. explosive mixtures firing.
- 21) Chisels worn/ blunt at the cutting edge or shank should not be used as such conditions promote tool breakage, reduce efficiency and increase vibration. A chisel which breaks can cause injury by creating unexpected movement.
- 22) When chipping or scaling in potentially explosive atmospheres use spark resistant chisels usually made of beryllium copper. Consult the manufacturer of the tool standard chisels about sources of supply.
- 23) Do not store chisels etc. at freezing and below freezing temperatures. Freezing temperatures can make hardened-tool steels brittle which can cause breakage and lead to injury.
- 24) Do not start tool until steel/chisel/needles are in contact with the working surface. Do not run tool unless retainer is fitted.
- 25) Don't over reach. Keep proper footing and balance at all times.
- 26) Do not force the tool but allow it to cut.
- 27) When possible secure work with clamps or vice so both hands are free to operate the tool.
- 28) Use correct size of chisel shank to match the tool.
- 29) Chisels and chisel spring retainers should be kept in good condition and replaced if worn or damaged.

Pneumatic Tools

- 1) Inspect the air-hose for cracks or other problems. Replace the hose if worn.
- 2) Never point an air hose at another person.
- 3) Disconnect the tool when not in use, or before performing service or changing accessories.
- 4) Use proper hoses and fittings. Never use quick-change couplings attached at the tool. Instead, add a hose and coupling between the tool and the air supply.

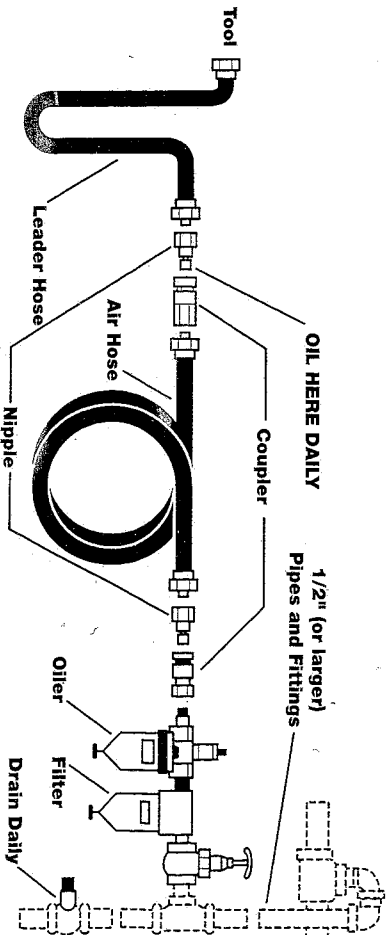
The recommended hook-up is shown in figure A. Pneumatic tools operate on a wide range of air pressures. For maximum efficiency and longer tool life, the pressure of the air supplied to these tools should not exceed the rated PSIG at the tool when the tool is running. Using a higher than rated pressure will cause faster wear and drastically shorten the tool's life. A higher air pressure can also cause an unsafe condition.

The inside diameter of the hose 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.

The use of air line lubricators and air line filters is recommended to prevent water in the line that can damage the tool. Drain the air tank daily. Clean the air inlet filter screen on at least a weekly schedule to remove accumulated dirt or other matter that can restrict air flow.

The tool's air inlet used for connecting an air supply has standard 1/4" NPT American thread.

Figure A



Specifications / Specifications / Especificaciones

US

Average Air Consumption	4 CFM
Blows Per Minute	2,800
Chisel Shank Size	0.401"
Air Inlet	1/4" NPT (F)
Weight	2.4 lbs.
Min. Hose Size	3/8"
Required PSI	90
Length	4.5" (11.4 cm)

F

Consumption	4 pi3/min
Coups par min	2,800
Taille de la tige du ciseau	0,401 po
Admission d'air	1/4 po NPT (F)
Poids	2,4 lbs.
Taille min. du tuyau	3/8 po
KPa requis	621
Longueur	4,5" (11,4 cm)

E

Consumo de aire	4 CFM (piez min-1)
Golpes por minuto	2,800
Diámetro del vástago del cincel 0.401"	
Toma de aire	6,3 mm (1/4") NPT (Hembra)
Peso	1,1 kg
Tamaño mínimo de manguera	9,5 mm (3/8")
bar necesario	6,21
Longitud	4,5" (11,4 cm)

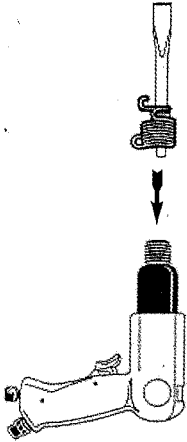
Parts Illustration / Illustration des pièces / Ilustración de las piezas

1. Disconnect Air Supply from Tool before working on the Air Hammer.
1. Débrancher l'alimentation d'air comprimé de l'outil avant de faire quoi que ce soit sur le marteau pneumatique.
1. Desconecte la conexión de aire de la herramienta antes de realizar alguna tarea en el martillo neumático.

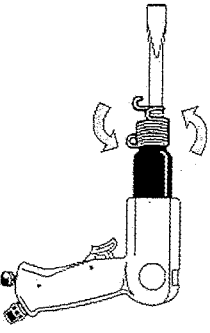


2. Place the chisel into the spring retainer center.
2. Placer la queue du burin dans le centre du ressort de retenue.
2. Coloque el vástago del cincel centro del resorte de retención.

3. Slide the Chisel shank into the barrel of the Air Hammer.
3. Glisser la queue du burin dans le corps du marteau pneumatique.
3. Deslize el resorte de retención dentro del barril del martillo neumático



4. Push to start and Screw the Retainer onto the end of the Air Hammer threads until fully installed.
4. Pousser pour visser la retenue dans le pas de vis jusqu'à installation complète.
4. Empuje para comenzar y atornille el resorte de retención hasta el final de la rosca del martillo neumático hasta que esté completamente instalado.



Note: The Retainer and Chisels used should be checked before use for signs of damage or wear. Replace with new parts before using as needed.

Note : Les burins et la retenue devraient être inspectés avant chaque usage pour vérifier qu'ils ne sont pas endommagés ou usés. Selon le besoin, remplacer avec des pièces neuves avant utilisation.

Nota: el resorte de retención y los cincelos deben ser revisados antes de usarlos para verificar que no estén dañados o desgastados. Reemplácelos con partes nuevas antes de ser usados.