

STANLEY®

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PROFESSIONAL GRADE

6" Dual Action RANDOM ORBITAL SANDER

97-008A

- Free Speed of 10,000 RPM
- Professional touch lever with comfort grip
- Built-in regulator for variable speed control
- Designed to reduce abrasive load-up
- Suggested applications: Rapid material removal for home, shop or automotive

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.
- Use accessories rated at or above the sander rated RPM.
- 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 The Tool

This tool is designed for the purpose of cleaning or sanding of a variety of materials typically metal, wood, plastic materials, etc. The dual rotary orbital action reduces the amount of abrasive grinding marks and hence is primarily a finishing sanding tool. It can be used with a variety of grades of 150mm (6" diameter) abrasive discs which, according to pad fitted to the tool, can be self adhesive or Velcro attached, if fitted to the dust collecting system this should always be used. The system may be integral or required to be fixed to an external vacuum source.

The machine fitted with dust collection should not be used with water. If use with water is required, water can act as a dust suppressor and the dust collector would not be required.

Do not use the tool for any other purpose to that for which it has been designed and use only abrasive discs as described.

Do not modify the tool for any other use or for its use as a sander without first consulting the manufacturer or an authorized distributor.

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 sander.

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.

Operating Instructions

Select a suitable abrasive disc (see Section "Proper use of tool") and make sure that it is fixed securely to the tool. Connect to suitable air supply as recommended. Apply the sander lightly to the work and allow the abrasive disc to cut. Take great care when sanding around sharp edges and surfaces to avoid the disc engaging i.e. the disc may be brought to an abrupt stop or considerably slowed that will cause the tool to kick in the hands.

It is always recommended to use safety glasses and a breathing mask. The sanding of certain materials may create hazardous dust which may require special breathing equipment. Check before using the tool. Even if the machine has a low noise level the actual sanding process may cause a noise level such that ear protectors will be required. If there are sharp areas in the material being sanded safety gloves are recommended.

Do not continue to use abrasive discs that are worn or clogged.

Do not use underized or oversized sanding discs. The disc should be no more than 1/4" larger in diameter than the pad, and not smaller than the pad.

Using A Sander

- 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 p.s.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.

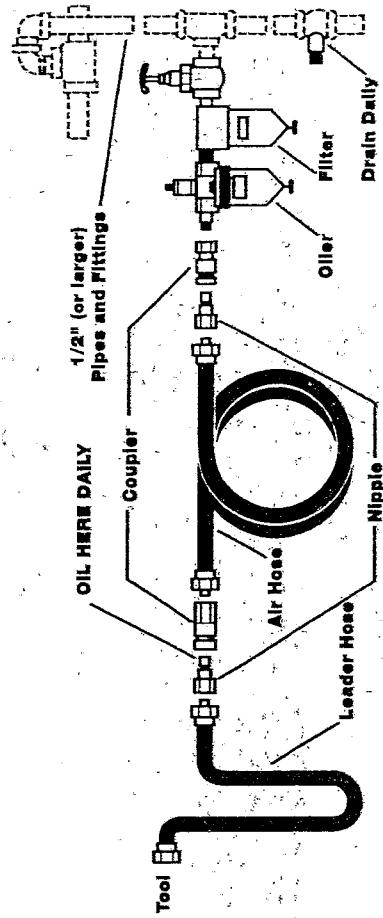
when it is released.

- 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) Always check the speed of the attachment is higher than the speed of the tool.
- 20) Check speed of tool at regular intervals.
- 21) Check always that the material to be sanded may not cause a risk by being sanded, i.e. fire or explosion.
- 22) If self fixing discs are used, i.e. self adhesive or Velcro, always ensure the disc is fixed centrally to the pad.

Safety Rules for 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 to 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 3/8" 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.

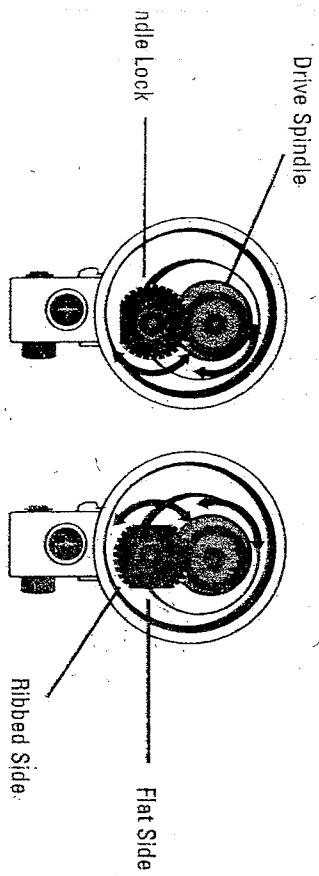
Figure A



Specifications / Especificaciones

US	F	E
Average Air Consumption	4 CFM	Consumo de aire
Maximum RPM	10,000	10,000
Working Pad Size	6"	Tamaño de la pastilla de fricción
Repower	1/4 HP	15.2 cm (6")
Inlet	1/4" NPT (F)	Potencia
Weight	4.4 lbs.	1/4 HP
Length	8.25"	Admisión d'air
In. Hose Size	3/8"	1/4" po NPT (F)
Required PSI	90	Peso
		4.4 lbs.
		Longueur
		8.25" po
		Taille min. tuyau
		3/8 po
		Peso mínimo de manguera
		9.5 mm (3/8")
		bar necesario
		6.21

BOTTOM VIEW OF SANDER



Operating/Running Position
 Pad Assembly/Removal Lock Position
 See Pad assembly/removal instructions

Assembly/removal instructions

Note: The Spindle Lock is for attaching and removing the sanding pad only. Do not operate the tool with the Spindle Lock in the locked position or the sander will stall when pressure is applied to the pad.

Pad Assembly

1. Disconnect the sander from the air supply before removing or attaching the sanding pad.
2. Rotate the DRIVE SPINDLE where its flat side faces the SPINDLE LOCK.
3. Now rotate the SPINDLE LOCK until its ribbed side faces the flat side of the DRIVE SPINDLE. See figure 1. This is the locked position.
4. Thread on and hand tighten the sanding pad in a clockwise direction.
5. Now unlock by rotating the SPINDLE LOCK back where its flat side faces the DRIVE SPINDLE.
6. Ready for use

Pad Removal

1. Disconnect the sander from the air supply before removing or attaching the sanding pad.
2. Rotate the DRIVE SPINDLE where its flat side faces the SPINDLE LOCK.
3. Now rotate the SPINDLE LOCK until its ribbed side faces the flat side of the DRIVE SPINDLE. See figure 1. This is the locked position.
4. Remove the sanding pad in the counterclockwise direction.

Note: El eje de seguridad es solamente para poner y remover el cojin limador. No opere la herramienta con el eje asegurado o la lijadora se trabará al aplicar presión al cojin.

Ensamble del cojin

1. Desconecte la lijadora del suministro de aire antes de poner o remover el cojin limador.
2. Rote el eje giratorio hasta que el lado cuadrado del tubo quede frente al eje de seguridad.
3. Ahora rote el eje de seguridad hasta que el lado de superficie áspera quede frente al lado cuadrado del tubo del eje giratorio. Vea Ilustración #1. Esta es la posición asegurada.
4. Coloque y apriete el cojin limador girándolo en dirección de las manecillas del reloj.
5. Ahora debe desasegurar el eje de seguridad rotando el mismo hasta que la superficie del lado liso quede frente al lado cuadrado del tubo del eje giratorio.
6. Listo para usar.

Desensamble del cojin

1. Desconecte la lijadora del suministro de aire antes de poner o remover el cojin limador.
2. Rote el eje giratorio hasta que el lado cuadrado quede frente al eje de seguridad.
3. Ahora rote el eje de seguridad hasta que el lado de superficie áspera quede frente al lado cuadrado del tubo del eje giratorio. Vea Ilustración #1. Esta es la posición asegurada.
4. Remueva el cojin limador en dirección contraria a las manecillas del reloj.

Note: Le dispositif de blocage de la touche mobile est uniquement pour attacher et détacher le patin de ponçage. Ne pas utiliser l'outil avec le dispositif de blocage de la touche mobile en position fermée sinon la ponçeuse calera quand il y aura pression sur le patin.

Assemblage du patin

1. Débrancher l'arrivée d'air de la ponçeuse avant de fixer ou d'enlever le patin de ponçage.
2. Faire tourner l'arbre conducteur jusqu'à ce que son côté plat soit en face du dispositif de blocage de la touche mobile.
3. Ensuite faire tourner le dispositif de blocage de la touche mobile jusqu'à ce que son côté atrié soit en face du côté plat de l'arbre conducteur. Voir l'illustration 1. C'est la position fermée.
4. Visser et serrer à la main le patin de ponçage dans le sens des aiguilles d'une montre.
5. Ouvrir en tournant le dispositif de blocage de la touche mobile jusqu'à ce que son côté plat soit en face de l'arbre conducteur.
6. Prêt pour utilisation.

Pour enlever le patin

1. Débrancher l'arrivée d'air de la ponçeuse avant de fixer ou d'enlever le patin de ponçage.
2. Faire tourner l'arbre conducteur jusqu'à ce que son côté plat soit en face du dispositif de blocage de la touche mobile.
3. Ensuite faire tourner le dispositif de blocage de la touche mobile jusqu'à ce que son côté atrié soit en face du côté plat de l'arbre conducteur. Voir l'illustration 1. C'est la position fermée.
4. Enlever le patin de ponçage dans le sens contraire aux aiguilles d'une montre.