Form # Z409
Date 2-02/A

Model 5265
5" Dia. Angle Sander

IMPORTANT

Read these instructions carefully before installing, operating, servicing or repairing this tool. Keep these instructions in a safe accessible place.

SAFETY MESSAGES	
Personal Safety Equipment	
Use – Safety Glasses	YES
Use – Safety Gloves	YES
Use – Safety Boots	
Use – Breathing Masks	YES
Use – Ear Protectors	YES

WARNING

Always Read Instructions Before Using Power Tools

Always Wear Safety Goggles

Wear Hearing Protection

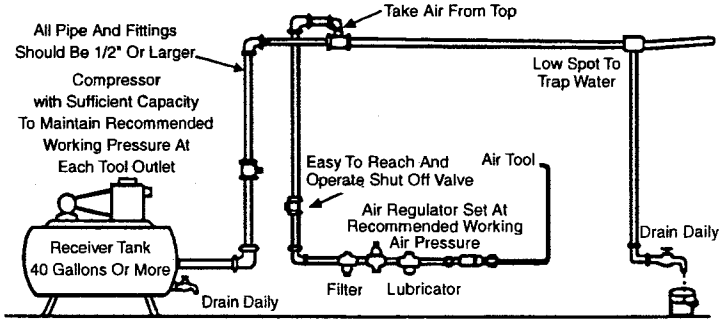
Avoid Prolonged Exposure To Vibration

Operator Instructions

Includes:
- **Safety Rules**
- **Foreseen Use**
- **Work Stations**
- **Putting Into Service**
- **Operating**
- **Dismantling and Assembly.**

Safety rules when using a 5265 Sander

- Do not use as a grinder.
- Do not use polystyrene pads.
- Use accessories rated above 7,000 RPM.
- Prolonged exposure to vibration may cause injury.
- Read all instructions before using this tool. All operators must be fully trained in its use and aware of these safety rules.
- Do not exceed the maximum working air pressure.
- Use personal protection equipment as recommended.
- Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects and other reproductive harm.
- Use compressed air only at the recommended conditions.
- If the tool appears to malfunction, remove from use immediately and arrange for service and repair. If it is not practical to remove tool from service, then shut off the air supply to the tool and write or have written a warning note and attach it to the tool.
- If tool is to be used with a balancer or other suspension device, ensure that the tool is firmly attached to the suspension/support device.
- When operating the tool, always keep the body and particularly the hands away from the working attachment fixed to the tool.
- The tool is not electrically insulated. Never use the tool if there is any chance of coming into contact with live electricity.
- Always when using the tool, adopt a firm footing and/or position and grip the tool sufficiently only to overcome any reaction forces that may result from the tool doing work. Do not overgrip.
- Use only correct spare parts for maintenance and repair. Do not improvise or make temporary repairs. Major servicing and repairs should only be carried out by persons trained to do so.
- Do not lock, tape, wire, etc. the 'On/Off' valve in 'On' position. The throttle trigger/ lever, etc. must always be free to return to the 'Off' position when released.
- Always shut off the air supply to the tool and press the 'On/Off' valve to exhaust the air from the feed hose before fitting, removing or adjusting the working attachment fitted to the tool.
- Before using the tool, make sure that a shut off device has been fitted to the supply line and the position is known and easily accessible so that the air supply to the tool can be shut off in an emergency.
- Check hose and fittings regularly for wear.
- Take care against entanglement of the moving parts of the tool with clothing, hair, ties, cleaning rags, rings, jewelry, watches, bracelets, etc. This could cause the body or parts of the body to be drawn towards and in contact with the moving parts of the tool and could be very dangerous.
- It is expected that users will adopt safe working practices and observe all local, regional or country legal requirements when installing, using or maintaining the tool.
- Take care that the exhaust air does not point towards any other person or material or substance that could be contaminated by oil droplets. When first lubricating a tool or if the tool exhaust has a high oil content, do not allow the exhaust air to come near very hot surfaces or flames.
- Never lay the tool down until the working attachment has stopped moving.
- When the tool is not in use, shut off the air supply and press throttle trigger/lever to drain the supply line. If the tool is not to be used for a period of time, first lubricate, disconnect from air supply and store in a dry average room temperature environment.
- If the tool is passed from one user to a new or inexperienced user, make sure these instructions are available to be passed with the tool.



Recommended Air Supply System — Figure 1

- Do not remove any manufacturer fitted safety devices where fitted, i.e., wheel guards, safety trigger, speed governors, etc.
- Wherever possible, secure workpiece with clamps, a vise, etc. to make it rigid so it does not move during the work operation. Keep good balance at all times. Do not stretch or overreach.
- Try to match the tool to the work operation. Do not use a tool that is too light or heavy for the work operation. If in doubt, seek advice.
- In general terms, this tool is not suitable for underwater use or use in explosive environments — seek advice from manufacturer.
- Try to make sure that the work area is clear to enable the work task to be performed safely. If practical and possible, try to clear unnecessary obstructions before starting work.
- Always use air hose and couplings with minimum working pressure ratings at least 1 1/2 times the maximum working pressure rating of the tool.

Foreseen Use Of The Tool – 5265

The tool is designed for use with 5" diameter coated abrasive discs of various grades of grit which are designed to be used at the same or higher speed of this tool. The spindle thread is 5/8-11 UNC-2A and the tool can be used with other abrasive devices that have the same female thread size, are designed to run without a guard and have a rated speed equal to or higher than the speed of the tool. Do not attempt to use any bonded abrasive devices., i.e. grinding wheels, as those which could be fitted because of their size, cannot be used without a suitable guard. A guard is not available for this tool.
Do not fit any form of saw blade.
Do not fit any other abrasive or cutting device before checking the suitability for use with this tool with the manufacturer or the manufacturer's authorized distributor. Do not modify this tool for other use, or for its use as a sander/polisher before checking the intended use with the manufacturer or his 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 a solid floor. It can be used in other positions, but before any such use, the operator must be in a secure position having a firm grip and footing and be aware of the safety rules to 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 PSIG (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 1. 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 1 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, depressurizing the line by pressing the trigger on the tool. Disconnect the air line and pour into the hose adaptor a teaspoonful (5ml) 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 while the tool is running is 90 PSI/6.2 bar.

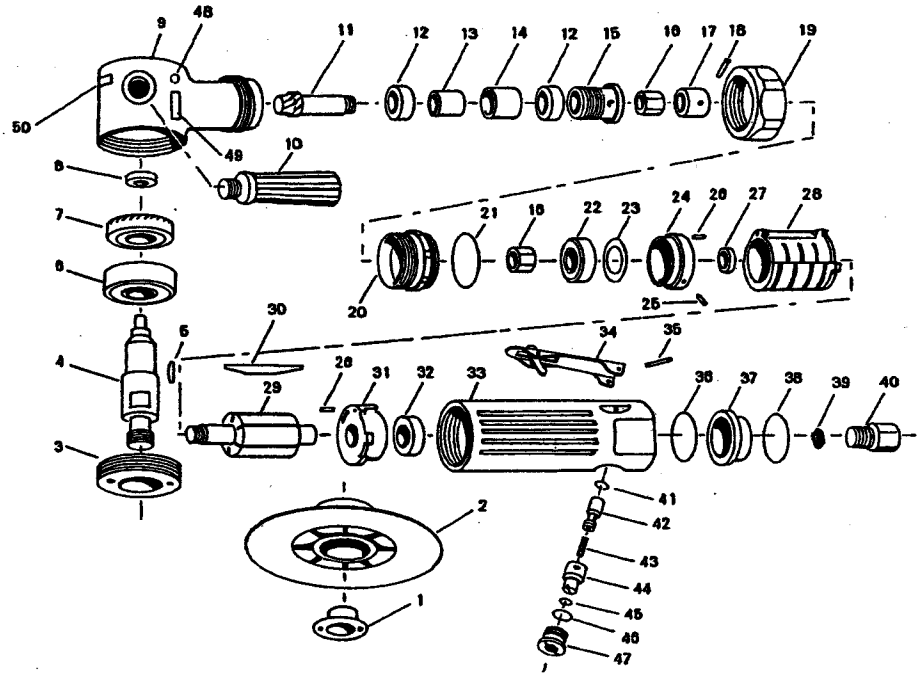
Operating

Select a suitable abrasive disc (see Section "Foreseen Use Of The 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 snagging i.e. the disc may be brought to an abrupt stop or considerably slowed which 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 a 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 on the material being sanded, safety gloves are recommended.
Do not continue to use abrasive discs that are worn or clogged. This will make the sanding process inefficient and the need to apply unnecessarily high forces to the tool.
Do not use undersized or oversized discs. The disc should be no more than 1/4" larger in diameter than the pad and not smaller than the pad.
The safety lever on the sander is the on/off valve.
The tool includes a speed/power regulator and it is located in the motor housing on the other side to the lever. Using a screwdriver, turn the air regulator (44) until the slot aligns with the center line of the motor housing for maximum power/speed. For minimum power/speed turn through 90°.
An air strainer is located at the air inlet (40) to the tool. Check this periodically for blockage, particularly if the tool slows or loses power. It can be easily cleaned by removing the inlet bushing. When used daily, the gears in the right angle head should be greased twice per week. Adjust the time period according to usage. To grease, inject 2-3 squirts of grease via the grease plug (48). When using the sander, use both hands, one on the side handle (10) and the other on the motor housing to control the lever. Start the sander before touching the work surface with the sanding disc. To avoid swirl marks do not use an abrasive grit that is coarser than necessary to remove high spots and roughness. Follow with additional sandings using progressively finer grits until the desired finish is achieved.

Dismantling & Assembly Instructions

Disconnect tool from air supply. Grip spindle (4) with the spanner provided and unscrew pad nut (1) using a peg spanner. Remove abrasive disc as fitted and grip 5" pad (2) and unscrew by hand. Grip motor housing (33) in a vise fitted with soft jaws on the flats at the rear end and unscrew handle (10). Unscrew locking ring (3) and pull out spindle (4) together with key (5), bearing (6), gear (7) and bearing (8). Support bearing (6) and tap non-threaded end of spindle (4) through the assembly to separate parts (4), (5), (6), (7) and (8). Drive out pin (35) and remove locking lever (34). Do not dismantle the locking lever.
Unscrew inlet bushing (40) with screen (39) and with a needle pointed tool, pry out retaining ring (38). Take out exhaust sleeve (37) and take off O-ring (36) from exhaust sleeve. (37). With a wide bladed screwdriver unscrew valve nut (47) and remove O-ring (46), O-ring (45), air regulator (44), spring (43), throttle valve (42) and O-ring (41). Unscrew cap (19) to release the remaining angle head assembly. Remove coupling (17) with roll pin (18). Roll pin (18) may be driven out of coupling (17). Unscrew cap lock (20) together with O-ring (21). Grip lock nut (16) and pull out the motor assembly from motor housing (33). To dismantle the motor assembly, grip the motor assembly and tap the rear end of the rotor (29) through the rear end plate (31) and front end plate (24). Remove cylinder liner (28), 2 roll pins (26) and rotor blades (30) from rotor (29). In a vise fitted with soft jaws, grip the rotor (29) and unscrew lock nut (16). Rotor (29) may then be tapped through bearing (22), shim (23), collar (27) and front end plate (24). Roll pin (25) may be removed from tool front end plate (24) and with a suitable punch, bearing (22) tapped out from front end plate (24) and bearing (32) from rear end plate (31). Grip angle housing (9) in a vise fitted with soft jaws and with a stiff rod passed through the holes in the pinion bearing nut (15), unscrew pinion bearing nut

5265 5" Dia. Angle Sander



Ref. No.	Part No.	Description
1	67630	Pad Nut
2	5205	5" Backing Pad (Includes 1)
3	67631	Locking Ring
4	67632	Spindle
5	67633	Key
6	67634	Ball Bearing
7	67635	Gear
8	67636	Bearing
9	67637	Angle Housing
10	67638	Handle
11	67639	Pinion
12	67640	Ball Bearing (2)*
13	67641	Spacer B
14	67642	Spacer A
15	67643	Pinion Bearing Nut
16	67644	Lock Nut (2)*
17	67645	Coupling
18	67646	Roll Pin
19	67647	Coupling Nut
20	67648	Lock Ring
21	67649	O-Ring
22	67650	Ball Bearing
23	67651	Shim
24	67652	Front End Plate
25	67653	Roll Pin
26	67654	Roll Pin (2)*
27	67655	Collar
28	67656	Cylinder

Ref. No.	Part No.	Description
29	67657	Rotor
30	67658	Rotor Blade (Set of 5)
31	67659	Rear End Plate
32	67640	Ball Bearing
33	67661	Motor Housing
34	67662	Locking Lever
35	67663	Pin
36	67664	O-Ring
37	67665	Exhaust Sleeve
38	67666	Retainer Ring
39	67667	Screen
40	67668	Inlet Bushing
41	67037	O-Ring
42	67038	Valve Stem
43	67039	Valve Spring
44	67040	Air Regulator
45	66600	O-Ring
46	67041	O-Ring
47	67042	Throttle Valve Plug
48	67669	Grease Plug
49	67670	Grease Label
50	67500	Warning Label
	Not Shown	
	67672	Spindle Wrench
	67673	Spanner Wrench
	67525	Name Plate
	67535	Pad Warning Label

*Order Quantity as Needed

and remove spacer (14) and pinion assembly. Unscrew nut (16) from pinion (11) and remove spacer (13) and bearings (12).

Reassembly

Clean and examine all parts for wear and replace any worn parts with parts obtained from the manufacturer or an authorized distributor. Ensure that the faces of the motor end plates (31) and (24) that abut cylinder liner (28) are flat and free from burrs and surface defects. If necessary, lap on a flat very fine grade of abrasive paper. Check all O-rings for cuts and wear. Lightly coat all parts with a suitable pneumatic tool lubricating oil, one preferably containing a rust inhibitor, and pack pinion gear and bearings with a molybdenum or lithium based general purpose grease. Reassemble in the reverse order. When reassembling and installing the motor assembly in the motor housing, ensure that the pin in the side of the motor front plate is located in the groove in the front end of the motor housing. Pour into the air inlet 5 ml of a suitable pneumatic tool lubricating oil. Connect a suitable air supply and operate the tool slowly for 2 or 3 seconds to allow the oil to circulate. Check the operation of the safety lever and air regulator before returning to service.

Operation Specification	
Air Consumption	4.5 cfm
Spindle Thread	5/8-11UNC
Air Inlet Thread	1/4-18NPT
Overall Length	9.4 ins. (240mm)
at 90 PSIG	

NOTES

Manufacturer/Supplier

Sioux Tools, Inc.
117 Levi Drive
Murphy, NC 28906
U.S.A.
Tel No. 828-835-9765 **Fax No. 828-835-9685**

Product Type
5" Dia. Angle Sander

RPM
7,000
Cycles Per Min.

CE

Model No/Nos
5265

Serial No.

Product Net Weight	Recommended Use Of	Recommended Hose Bore Size – Minimum	Recommended Max. Hose Length
2.90 lbs **1.32** Kg	Balancer Or Support **NO**	**5/16** Ins **8** M/M	**30** Ft **10** M

Air Pressure

Recommended Working	**6.2**	bar	**90**	PSI
Maximum	**6.2**	bar	**90**	PSI

Noise Level: **Sound Pressure Level 84.0 dB(A)**

Test Method: **Tested in accordance with Pneurop test code PN8NTC1 and ISO Standard 3744**

SAFETY MESSAGES

Personal Safety Equipment

Use – Safety Glasses	**YES**
Use – Safety Gloves	**YES**
Use – Safety Boots	
Use – Breathing Masks	**YES**
Use – Ear Protectors	**YES**

WARNING

- Always Read Instructions Before Using Power Tools
- Always Wear Safety Goggles
- Wear Hearing Protection
- Avoid Prolonged Exposure To Vibration

Vibration Level **Less than 2.5** Meters / Sec^2

Test Method: **Tested in accordance with ISO standards 8662 Parts 1 & 8**

CE

Declaration of Conformity

Sioux Tools Inc.

117 Levi Drive, Murphy, NC 28906, U.S.A.

declare under our sole responsibility that the product

Model 5265 5" Dia. Angle Sander, Serial Number

to which this declaration relates is in conformity with the following standard(s) or other normative document(s)

EN792 (Draft), EN292 Parts 1 & 2, ISO 8662 Parts 1 & 8, Pneurop PN8NTC1

following the provisions of **89/392/EEC as amended by 91/368/EEC & 93/44/EEC Directives**

Gerald E Seebeck

Gerald E. Seebeck (President)

Name and signature or equivalent marking of authorized person

Printed in Japan