



### INSTRUCTIONS & PARTS LIST FOR SCO7AX184 EXTENDED MINI ANGLE CUTOFF TOOL SERIAL"A"

Read and understand these instructions before operating this tool.

## SAVE THESE INSTRUCTIONS!

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When used improperly power tools can create hazardous situations.

Everyone using, maintaining, changing accessories or working near this tool must read, understand and follow these Safety Instructions! Improperly used power tools can cause injury or death.



Collets, nuts and related equipment in poor shape or not the proper ones for the wheel or tool used can cause wheels to malfunction. Grinding wheels not properly tightened can spin off. Be certain that all collets, nuts and related equipment are in good shape, the proper ones for the type and size of wheel being used, and are securely fastened. Tighten collet securely. Match wheel or accessory shaft diameter to chuck or collet. Grinding wheels that malfunction and spin off can cause injury. Air hoses can come loose from power tools and whip Inspect and do not use tools with loose or damaged air hoses or fittings. Whipping air hoses can cause injury Abnormal sounding or excessively vibrating grinders can indicate a hazard that could cause wheel to explode. If the normal sound of the grinder changes, or if it vibrates excessively, shut it off immediately, remove the wheel, and check speed with tachometer. Tool could be overspeeding or the wheel could be damaged or not mounted properly. Exploding wheels can cause injury or death. Air hoses that are not oil resistant or are not rated for the working pressure can burst. Make sure that all air hoses are oil resistant and rated for the working pressure. Air hoses that burst can cause injury. Tools not operated at proper air pressure can operate erratically. Do not exceed a maximum air pressure of 90 psig/6.2 bar or as stated on the tool's nameplate or operating instructions. Use an air regulator to maintain proper air pressure. Erratic operation in power tools can cause injury Improperly repaired tools perform unpredictably. Repair tools at an Authorized Sioux Service Center. Tools that perform unpredictably can cause injury Tools left connected to the air supply can start unexpectedly. Always remove tool from air supply and activate trigger to bleed air line before making any adjustments, changing accessories, or doing any maintenance or service on tool. Make it a habit to check to see that all adjusting keys and wrenches have been removed from tool before turning it on. Tools starting unexpectedly and flying keys and wrenches can cause injury. Working in poorly lit areas makes it hard to see hazards. Keep work area well lit. Poorly lit work areas can cause injury. Children are attracted to work areas Keep children away. All visitors must keep a safe distance away from work area. Children in work areas can be injured. Unauthorized or untrained personnel can misuse unattended tools Store idle tools in a dry, high or locked-up place, out of the reach of children. Misused tools can cause injury. Tools with the actuator left in the "ON" position when an unexpected air pressure loss occurs can start unexpectedly when the air pressure is restored. Release the actuator if an unexpected loss of air pressure occurs. Unexpected tool starts can cause injury. Grinders with the actuator left in the "on" position can cause unexpected starts when the tool is connected to the air supply. Be sure actuator is off before hooking up air. Unexpected starts can cause injury. Grinders may coast for a short time after the trigger is released. Be sure tool has come to a complete stop before setting it aside. Grinders that do not come to a complete stop before setting aside can cause injury.

The use of any accessory with this tool not provided or specified by Sioux Tools can perform unpredictably. Use only accessories provided or specified by Sioux Tools.

Tools that perform unpredictably can cause injury.

When disposing of a tool, do it in a way that does not harm personnel or the environment.

### **INTENDED USE**

This tool is intended for use with flat, reinforced resin wheels. It must never be used with saw blades or other cutting devices! **AIR SUPPLY** 

The efficiency and life of this tool depend on the proper supply of clean, dry air at a maximum of 90 PSI. The use of an air line filter, pressure regulator, and lubricator is recommended. Before connecting to tools, blow out the air line to remove water and dirt that may have accumulated.

### HOSE AND HOSE CONNECTIONS

The air supply hose recommended is 3/8" (10 mm) I.D. If an extension hose is necessary, use 1/2" (13 mm) ID hose with couplings not less than 3/8" (10 mm) I.D. LUBRICATION

All models may operate without airline lubrication. However, operating the tool without airline lubrication may reduce tool performance and vane life. If an airline lubricator is not used, it is recommended that the tool be oiled daily before use to improve performance. Add 2-4 drops of air motor oil and run the tool for 10-20 seconds to distribute oil through the tool.

For maximum performance and tool life, an air line lubricator, set to deliver 2 drops per minute, is recommended. SIOUX No. 288 Air Motor Oil is recommended. CHANGING WHEEL

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Disconnect tool from air supply before installing or removing wheel or making any adjustments

- 1. Remove flange
- 2. Remove old wheel.
- Install the new wheel onto the arbor. Make sure the wheel is flush against the face of the arbor and the hole in the wheel fits over the boss on З. the arbor.
- Secure the wheel to the arbor with the appropriate flange (3/8" or 1/4"). Make sure the undercut on the flange faces the wheel. Make sure the 4 wheel is securely attached to the arbor.

#### MAINTENANCE

Water, dust and other airline contaminants can cause rust and vane sticking. For long periods between tool use, flush the tool with a few drops of oil and run for 10 seconds. This will help remove contaminants and reduce the formation of rust.

#### **OPERATION**

The tool is intended to cut with the edge of the wheel. Apply the tool to the work with light pressure, allowing the wheel to cut. Keep the wheel square with the cut. Do not apply side loads The tool is equipped with a locking type lever in order to prevent accidental start-up. Speed of the tool may be adjusted by turning the regulator, which is located opposite the lever.

## PARTS LIST FOR SCO7AX184 EXTENDED MINI ANGLE CUTOFF TOOL SERIAL "A" 6

1		29 <sup>30</sup> <sup>31</sup>	35 36 36 36 36 36 36 36 36 36 36
		Assembly Re	
	Fig. 6	Torque / Specification	Threadlocker
	6 12	50 in-lbs 30 in-lbs	Loctite 243 Loctite 243
	12	30 in-lbs	Loctite 243
3 $(2)$ $4$	19	90-130 in-lbs	Loctite 277 & Coupler Grease
2	21	20-25 ft-lbs	Loctite 243
	31	15-20 in-lbs	Loctite 243
Part No Description	42		
74918 4" Cutoff Tool Guard	42	20-30 ft-lbs	Loctite 243

# \*Order Quantity As Required FURNISH CATALOG, SERIAL, AND MODEL NUMBER WHEN ORDERING PARTS

Fig No	Part No	Description
31.	74055	Screw #8-32 X 3/8 But Hd Cap
32.	SDG-70	Housing
33.	21372	Spring
34.	04205	Valve
35.	25957	Washer
36.	34900A	Plunger Valve
37.	14290	O-Ring (2)*
38.	64064	Valve Body
39.	63514	Lock Lever Assembly
40.	06650	Screw (#8-18 X 5/8 Pan Phillips Machine)
41.	25196	Washer
42.	SP66244	Inlet Adapter
43.	74020	Groove Pin (1/8" x 7/8" Type E)
Not Show	wn:	
	SDG7-M25 SDG7-TUS 35545	Motor Tune-up Kit

Fig No	Part No	Description
1.	74918	4" Cutoff Tool Guard
2.	74917	Lower Flange
3.	74915	Upper Flange 3/8"
4.	74916	Upper Flange 1/4"
5.	74914	Output Shaft
6.	68829	Bearing Retainer
7.	68844	Ball Bearing 14mm x 7mm x 3.5mm (2)*
8.	68831	Gear
9.	74920	Retaining Ring 1/4"
10.	68826	Ball Bearing 4mm x 9mm x 2.5mm
11.	30375	Grease Fitting 1/8"
12.	68840	5 5
13.	68830	Pinion
14.	74919	
15.		Extended Transmission Shaft
16.	74911	Extended Housing
17	10257	0 ( )
18.	MEIG13	
19.	74912	1
20.		Jam Nut
21.		Retainer
22.	04046	
23.		Front End Plate
24.	74027	
25.		Vane, Set of 5
26.	74034	- ) ( - ) )
27.	74023	
28.		Wave Washer .440 X .618 X .008
29.		Ball Bearing
30.	74054	Washer .251 X .468 X .063



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Some dust created by power sanding, sawing, grinding, drilling, and other construction activities contains chemicals known to cause cancer, birth defects or other reproductive harm.

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El polvo generado al lijar, aserrar, afilar, taladrar y realizar otras tareas de construcción contiene compuestos químicos que podrían provocar cáncer, malformaciones congénitas y otras alteraciones del aparato reproductor.



This pdf incorporates the following model numbers:

SCO7AX184, SCO7A184