

U.S. SAWS™

TC-7 Edge Grinder



Operating Manual

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www.ussaws.com

U.S. SAWS™

Introduction

This manual outlines the maintenance and operation of the TC-7.

This is a professional tool and is intended for use by trained and experienced operators.

To get maximum benefit from your tool and to ensure maximum safety, be sure to read this manual thoroughly. You should also periodically review safety instructions.

If you have any questions regarding this tool, please call our customer service department at (866) 987-7297

Specifications

Part Number	SX67000
Power Source	Metabo 24- 230 15 AMP 6600 RPM
Power Requirements	115V 15A
Grinding Wheels Used	7" Diamond Cup Wheels, PCDs, ZEC Wheels, EZ Edge Ceramic Wheels, Polishing Pads
Weight	49lbs

Table of Contents

Symbols & Labels	3
Safety	4
Set-Up	5
Parts Break Down	6 - 9

Symbols & Labels

MANUAL AND ARE DESIGNED TO MAKE YOU AWARE OF POTENTIAL HAZARDS OR UNSAFE PRACTICES.



A potentially hazardous situation exists which, if not avoided, could result in death or serious injury.

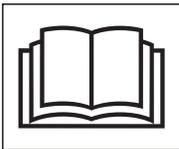


A potentially hazardous situation exists which, if not avoided, may result in minor or moderate injury or property damage.



A potentially hazardous situation exists which, if not avoided, may result in product or property damage.

THE FOLLOWING SYMBOLS & LABELS MAY BE FOUND IN THIS MANUAL OR ON THE TOOL.



Read the operator's manual carefully and understand the contents before you use this equipment.



Always wear a protective helmet



Always wear breathing protection



Always wear hearing protection



Always wear protective glasses or full face protection



Always use ground fault protection

Safety

General Safety Precautions

- Do not operate machine unless you have read the operations and maintenance manual carefully. Read any additional instructions included from other manufacturers and organizations such as Honda and the Masonry and Concrete Saw Manufacturers Institute. Learn the applications and limitations as well as the specific potential hazards related to this tool.
- Do not operate this machine unless you have received operational and maintenance training from a US SAWS representative or from an authorized distributor for US SAWS.
- Observe all applicable local, state, and federal safety regulations. Wear OSHA approved foot protection.
- Observe all applicable local, state, and federal safety regulations. Wear OSHA approved safety glasses.
- Breathable silica may be generated by use of this product. Silica can cause severe and permanent lung damage, cancer, and other serious diseases. Do not breathe the dust. Do not rely on your sign or smell to determine if the dust is in the air. Silica may be in the air without a visible dust cloud. If air monitoring equipment for silica is not provided by your employer at your work site, you **MUST** wear appropriate respiratory protection when using or servicing the machine. Consult your employer and OSHA regarding the appropriate respiratory system.
- Observe all applicable local, state, and federal safety regulations. Wear OSHA approved hearing protection.
- Do not wear loose clothing or jewelry that can be caught in moving parts. Wear protective hair covering to contain long hair. Keep hair away from motor air vent. Rubber gloves and non-skid footwear are recommended when working outdoors.
- Do not expose machine to rain. Do not use machine in wet conditions. Keep work area well lit. When working at an elevated location, pay attention to articles and persons below.
- Do not operate machine while under the influence of drugs, alcohol or any medication.
- Do not operate machine with parts missing or improperly mounted.
- Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect machine operation. A guard, power switch, or other part that is damaged should be properly repaired or replaced by an authorized service center unless indicated elsewhere in this instruction manual. Do not operate machine if dead man lever or engine on/off switch does not function properly.
- Never touch moving parts such as blades, belts, and others.
- Stop using the machine immediately if any abnormalities are observed during operation. Examples of abnormalities include unusual noise or vibration.
- When replacing a component part with a new one, use only the same type and quality of new part. Never attempt to repair a machine if you are unfamiliar with proper procedures and techniques required.
- Do not modify machine from its original design without written permission from the manufacturer. Non-authorized modifications could lead to serious injury or death and void warranty.
- Refer to this operations and maintenance manual as well as any additional instructions included from other manufacturers and organizations such as Honda and Concrete Saw Manufacturers Institute. Never permit anyone to operate the machine without proper instruction.

Set-up

Cup Wheel Installation

Step 1



Step 2



Step 3

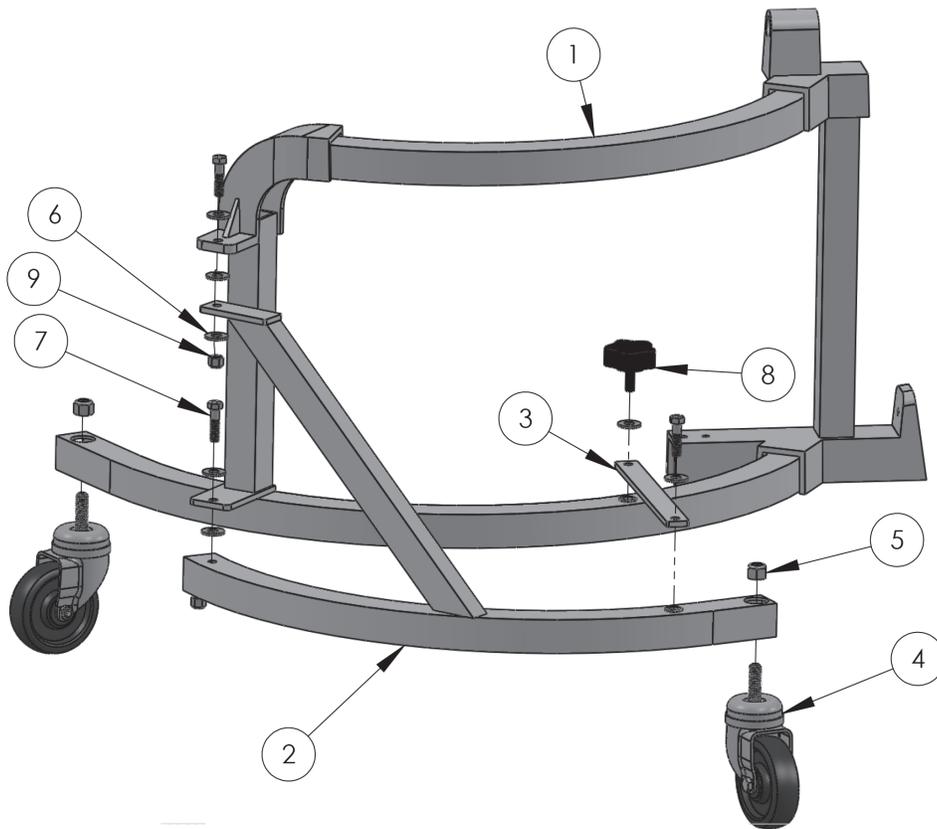


Step 4

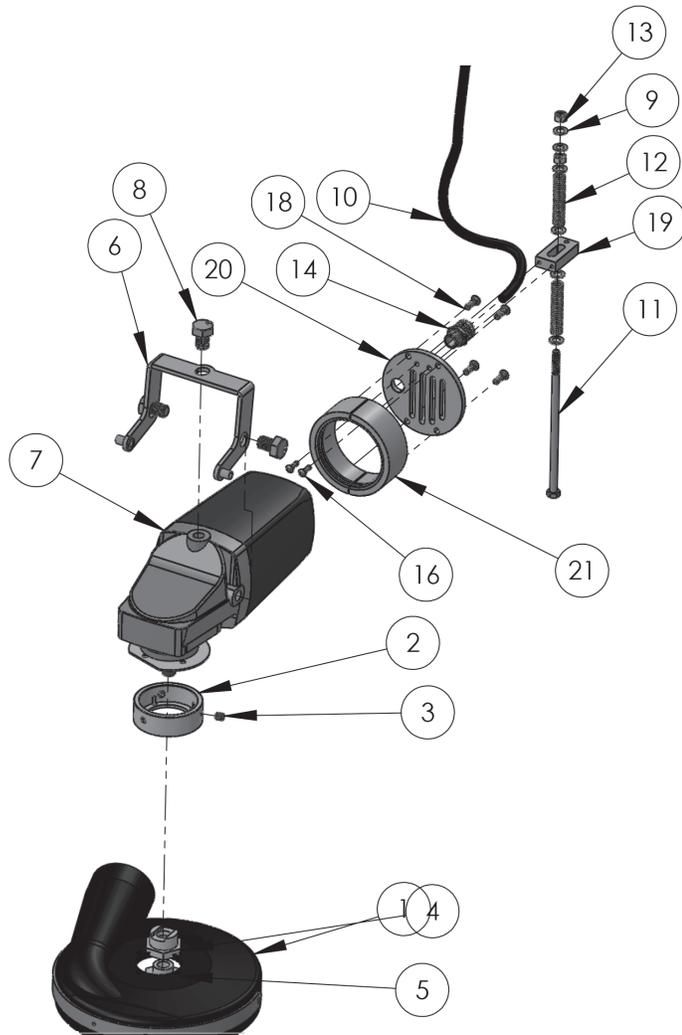


Parts Break Down

ITEM NO.	PART NUMBER	DESCRIPTION	Frame/ QTY.
1	67101	FRAME, STAND UP EDGER	1
2	67102	SUPPORT LEG	1
3	67124	LEG STOP BAR	1
4	20121	CASTER 4" WHEEL, 1/2-13 STUD	2
5	31351-1	1/2-13 NYLOCK NUT	2
6	31337	3/8" USS FLAT WASHER	8
7	31156	3/8-16 X 1-1/2 HEX HEAD CAP SCREW	3
8	SX-73706	KNOB, 3/8"-16 x 1"	1
9	31052-2	3/8-16 NYLON LOCK NUT	2
10	75820	7: GV SPACER WASHER	1



Parts Break Down



ITEM NO.	PART NUMBER	DESCRIPTION	Head/ QTY.
1	65807	7" G2 GRINDER-VAC SHROUD (CONVERTIBLE)	1
2	80640	SHROUD ADAPTER, METABO/GEN 2 SHROUD	1
3	27539	5/16-18 X 3/8 SOCKET HEAD SET SCREW	3
4	SX50501	B - CV NUT	1
5	SX71100 - 1	C1 CUP WHEEL BLADE NUT	1
6	67109	GRINDER MOUNT SADDLE WELDMENT	1
7	SXW24230	W24-230 9" METABO GRINDER	1
8	73902	M14 -2.0 X 20MM HEX HEAD CAP SCREW	3
9	31321	5/16 FLAT WASHER	6
10	67128	CORDAGE, 14/3 SJE00W	1
11	31104-2	5/16-18 X 7" HEX HEAD CAP SCREW	1
12	67129	SPRING, COMPRESSION, 1/2"OD X 2-1/2" LONG	2
13	31110	5/16-18 HEX NUT	2
14	67114	CORD GRIP, 3/8 NPT ALUMINUM	1
15	20308	TERMINAL, 16-14 AWG X #10 RING	1
16	31061	10-24 x 5/8 BUTTON HEAD CAP SCREW	2
17	20311	TERMINAL, 16-14 AWG 1/4" QD MALE	2
18	60223	SCREW, 1/4-20 X 3/4 BHCS	4
19	67113	TAIL CAP BAR	1
20	67112	TAIL CAP COVER	1
21	67111	TAIL CAP RING	1
22	75820	7: GV SPACER WASHER	1

Parts Break Down

ITEM NO.	PART NUMBER	DESCRIPTION	Handle/ QTY.
1	31337	3/8" USS FLAT WASHER	2
2	67118	HANDLE MOUNT BLOCK	1
3	67116	HANDLE ADAPTER DISC	1
4	SXW24230	W24-230 9" METABO GRINDER	1
5	203115	ELECTRICAL GROUNDING SCREW, 10-32	1
6	67114	CORD GRIP, 3/8 NPT ALUMINUM	1
7	67117	HANDLE CLAMP BAR	1
8	31602	1/4 X 5/8 SHOULDER BOLT 10-24 THREAD	1
9	31164	3/8-16 X 3 HEX HEAD CAP SCREW	1
10	31162-1	KNOB, 3/8-16 X 2-1/2	1
11	67125	LEVER WELDMENT	1
12	20308	TERMINAL, 16-14 AWG X #10 RING	1
13	20310	TERMINAL, 16-14 AWG 1/4" QD FEMALE FI	2
14	67127	PLUG, 5-15P WIRE ON, 120V/15A	1
15	31073	1/4-20 X 1-1/2 HEX HEAD CAP SCREW	2
16	75820	7: GV SPACER WASHER	1

