

Instruction manual

Item:7" Electric polisher

SKU:20705019-set-20



Read through carefully and understand these instructions before use.

SPECIFICATIONS:

Model	20705019-set-20
Rated Voltage	110V
Rated Frequency	60Hz
Input power	1200W
No load speed	600-3000r/min
Blade diameter	180mm

~ Manufacturer reserves the right to change specifications without notice.

~ Specifications may differ from country to country.

GENERAL SAFETY RULES

(For All Tools)

WARNING:

Read and understand all instructions. Failure to follow all instructions listed below, may result in electric shock, fire and/or serious personal injury.

SAVE THESE INSTRUCTIONS

Work Area

- 1. Keep your work area clean and well lit.**
Cluttered benches and dark areas invite accidents.
- 2. Do not operate power tools in explosive atmospheres, such as in the presence of flammable liquids, gases, or dust.** Power tools create sparks which may ignite the dust or fumes.
- 3. Keep bystanders, children, and visitors away while operating a power tool.** Distractions can cause you to lose control.

Electrical Safety

- 4. Double insulated tools are equipped with a polarized plug (one blade is wider than the other.) This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install a polarized outlet. Do not change the plug in any way.** Double insulation eliminates the need for the three wire grounded power cord and grounded power supply system.

5. **Avoid body contact with grounded surfaces such as pipes, radiators, ranges and refrigerators.** There is an increased risk of electric shock if your body is grounded.
 6. **Do not expose power tools to rain or wet conditions.** Water entering a power tool will increase the risk of electric shock.
 7. **Do not abuse the cord. Never use the cord to carry the tools or pull the plug from an outlet. Keep cord away from heat, oil, sharp edges or moving parts. Replace damaged cords immediately.** Damaged cords increase the risk of electric shock.
 8. **When operating a power tool outside, use an outdoor extension cord marked “W-A” or “W”.** These cords are rated for outdoor use and reduce the risk of electric shock.
- Personal Safety**
9. **Stay alert, watch what you are doing and use common sense when operating a power tool. Do not use tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating power tools may result in serious personal injury.
 10. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and gloves away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
 11. **Avoid accidental starting. Be sure switch is off before plugging in.** Carrying tools with your finger on the switch or plugging in tools that have the switch on invites accidents.

12. **Remove adjusting keys or wrenches before turning the tool on.** A wrench or a key that is left attached to a rotating part of the tool may result in personal injury.
13. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the tool in unexpected situations.
14. **Use safety equipment. Always wear eye protection.** Dust mask, non-skid safety shoes, hard hat, or hearing protection must be used for appropriate conditions. Ordinary eye or sun glasses are NOT eye protection.

Tool Use and Care

15. **Use clamps or other practical way to secure and support the workpiece to a stable platform.** Holding the work by hand or against your body is unstable and may lead to loss of control.
16. **Do not force tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
17. **Do not use tool if switch does not turn it on or off.** Any tool that cannot be controlled with the switch is dangerous and must be repaired.
18. **Disconnect the plug from the power source before making any adjustments, changing accessories, or storing the tool.** Such preventive safety measures reduce the risk of starting the tool accidentally.

19. **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
20. **Maintain tools with care. Keep cutting tools sharp and clean.** Properly maintained tools with sharp cutting edges are less likely to bind and are easier to control.
21. **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tools operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.
22. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool, may become hazardous when used on another tool.

SERVICE

23. **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.
24. **When servicing a tool, use only identical replacement parts. Follow instructions in the Maintenance section of this manual.** Use of unauthorized parts or failure to follow Maintenance instructions may create a risk of electric shock or injury.

USE PROPER EXTENSION CORD: Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

Table 1: Minimum gage for cord

Ampere Rating		Volts	Total length of cord in feet			
		120 V	25 ft.	50 ft.	100 ft.	150 ft.
More Than	Not More Than	AWG				
0	6		18	16	16	14
6	10		18	16	14	12
10	12		16	16	14	12
12	16		14	12	Not Recommended	

SPECIFIC SAFETY RULES

DO NOT let comfort or familiarity with product (gained from repeated use) replace strict adherence to grinder safety rules. If you use this tool unsafely or incorrectly, you can suffer serious personal injury.

1. Always use proper guard with grinding wheel. A guard protects operator from broken wheel fragments.
2. Accessories must be rated for at least the speed recommended on the tool warning label. Wheels and other accessories running over rated speed can fly apart and cause injury.
3. Hold tool by insulated gripping surfaces when performing an operation where the cutting tool may contact hidden wiring or its own cord. Contact with a "live" wire will make exposed metal parts of the tool "live" and shock the operator.
4. When using depressed center grinding wheels, be sure to use only fiberglass-reinforced wheels.
5. Always use safety glasses or goggles. Ordinary eye or sun glasses are NOT safety glasses.
6. Check the wheel carefully for cracks or damage before operation. Replace cracked or damaged wheel immediately. Run the tool (with guard) at no load for about a minute, holding tool away from others. If wheel is flawed, it will likely separate during this test.
7. Use only flanges specified for this tool.
8. Be careful not to damage the spindle, the flange (especially the installing surface) or the lock nut. Damage to these parts could result in wheel breakage.
9. NEVER use tool with wood cutting blades or other saw blades. Such blades when used on a grinder frequently kick and cause loss of control leading to personal injury.
10. Hold the tool firmly.
11. Keep hands away from rotating parts.
12. Make sure cord is clear of wheel. Do not wrap cord around your arm or wrist. If control of tool is lost, cord may become wrapped around you and cause personal injury.
13. Make sure the wheel is not contacting the workpiece before the switch is turned on.
14. Before using the tool on an actual workpiece, let it run for a while. Watch for vibration or wobbling that could indicate poor installation or a poorly balanced wheel.
15. Use the specified surface of the wheel to perform the grinding.
16. Watch out for flying sparks. Hold the tool so that sparks fly away from you and other persons or flammable materials.
17. Do not leave the tool running. Operate the tool only when hand-held.
18. Do not touch the workpiece immediately after operation; it may be extremely hot and could burn your skin.

19. ALWAYS wear proper apparel including long sleeve shirts, leather gloves and shop aprons to protect skin from contact with hot grindings.
20. Use of this tool to grind or sand some products, paints and wood could expose user to dust containing hazardous substances. Use appropriate respiratory protection.



SAVE THESE INSTRUCTIONS

WARNING:

MISUSE or failure to follow the safety rules stated in this instruction manual may cause serious personal injury.

SYMBOLS

The following show the symbols used for the tool.

- V voltage
A ampere
Hz hertz
 alternating current
- n_0 no load speed.
 class II construction
--/min revolutions or reciprocation
per minute

Operating instructions

◆ Ring handle

In order to operate safely and conveniently, please use the auxiliary ring handle. Fix the auxiliary ring handle by aligning its convex parts with the head case recess and fastening the socket head screws with a socket screw wrench.

You can install the auxiliary ring handle in either direction.



◆ Installation of polishing wheel

Align the upper screw thread of the polishing wheel with the output shaft. Press the self-locking pin and rotate the polishing wheel clockwise until it is tightened, press the self-locking pin and rotate the polishing wheel anti-clockwise and you can remove it.

When the wool wheel is worn and needs replacing, you should align the concentricity of both the wool wheel and the polishing wheel.

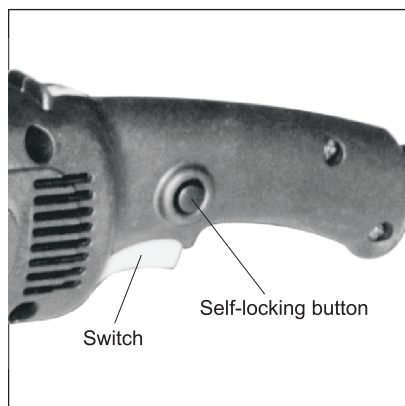


Switch operation

Caution: Make sure that the switch button is OFF and the trigger can reset smoothly before plugging in.

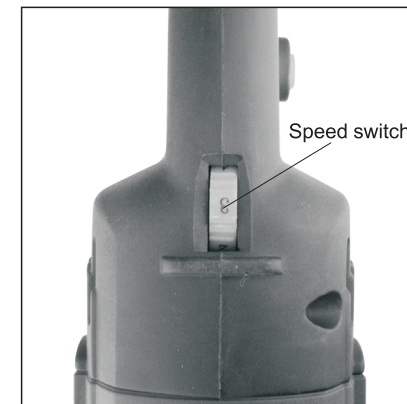
Start and close

Start the trigger and the tool starts. Release the trigger completely and the tool is closed. If you need to use the locking switch, you only need press down the self-locking button as soon as you start the trigger, and then the tool will rotate continuously. Release the trigger completely, and the tool will be closed.



Speed adjustment

Adjust the speed switch from "1" to "6" and you can changed different rotating speed from low to high according to different working requirements.



◆ Efficient and safe operation method

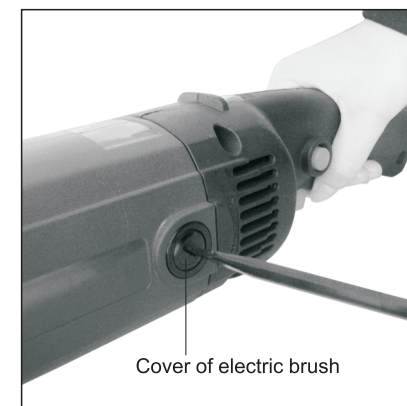
Caution: Make sure that power supply is disconnected when you put the tool on the working floor, and never place the polishing wheel until it stops completely.

Hold the tool firmly and turn on the switch of the tool, and then move the polishing wheel on the working surface. Usually keep the polishing wheel at an angle of 15 degrees with the surface of the work piece and only move it slightly. Working too hard will affect the quality to work and also cause the wear to the polishing wheel.



◆ Electric brush replacement

This tool is set with the device of worn limit line of the electric brush. When much bigger spark appears during the rotation of the tool or the tool stops running, please replace the electric brushes. Remove the cover of the brushes with a screwdriver and take out the worn brushes and replace new ones. Make sure that the brushes can side smoothly inside the bolder with your hand, and then tighten the cover. Make sure that the two brushes should be replaced simultaneously.



List of Polisher Parts

NO.	Name	Note	NO.	Name	Note
1	Wind baffle-ring		24	Output shaft	
2	Bearing	608	25	Polishing wheel	
3	Cree page baffle ring		26	Semicircular key	412
4	Rotor		27	Brush holder cap	
5	Screw	M8x20	28	Electric brush	
6	Gasket		29	Brush holder	
7	Auxiliary ring handle		30	Big mark	
8	Bearing clamping cap		31	Stator	
9	Bearing	6201	32	Screw	ST4.2x70
10	Head case		33	Frame	
11	Screw	ST4.8x35	34	Small mark	
12	Self-locking cap		35	Left handle	
13	Self-locking pin spring		36	Cable sheath bond	
14	Screw	M5X16	37	Cable	
15	Screw	M5X12	38	Cable clamping plate	
16	Self-locking pin		39	Screw	ST4.2x18
17	Bearing	HK081210	40	Right handle	
18	Bearing baffle ring	12	41	Straight speed switch	
19	Large gear		42	Rivet	2x10
20	Hole baffle ring	$\Phi 32$	43	Small spring of switch	
21	Front cover		44	Speed switch	
22	Screw	M4X16	45	Nameplate	
23	Dust cover		46		

