

Flap/pneumatic Drum Sander

Model B 2354

Assembly and Operating Instruction

Please read the manual before using it!

Specifications

Motor power: 0.75KW

Motor: 110V – 120V 1700RPM; 220V – 240V 1400RPM

Sanding Drum: 120mm and 80mm Diameter, 200mm Length

Palm brush: 180mm Diameter, 205mm Length

Motor Spindle Size: 22mm

Carton Dimensions: 800 × 240 × 375mm

Save This Manual

You will need the manual for the safety warnings and precautions, assembly instructions, operating and maintenance procedures, parts list and diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep the manual and invoice in a safe and dry place for future reference.

Safety Warnings and Precautions

WARNING: When using tool, basic safety precautions should always be followed to reduce the risk of personal injury and damage to equipment.

Read all instructions before using this tool!

1. Keep work area clean. cluttered areas invite injuries.
2. Observe work area conditions. Do not use machines or power tools in damp or wet locations. Don't expose to rain. Keep work area well lighted. Do not use electrically powered tools in the presence of flammable gases or liquids.
3. Keep children away. Children must never be allowed in the work area. Do not let them handle machines, tools, or extension cords.
4. Store idle equipment. When not in use, tools must be stored in a dry location to inhibit rust. Always lock up tools and keep out of reach of children.
5. Do not force tool. It will do the job better and more safely at the rate for which it was intended. Do not use inappropriate attachments in an attempt to exceed the tool capacity.
6. Use the right tool for the job. Do not attempt to force a small tool or attachment to do the work of a larger industrial tool. Do not use a tool for a purpose for which it was not intended.
7. Dress properly. Do not wear loose clothing or jewelry as they can be caught in moving parts. Protective, electrically non-conductive clothes and non-skid footwear are recommended when working. Wear restrictive hair covering to contain long hair.
8. Use eye and ear protection. Always wear ANSI approved impact safety goggles. Wear a full face shield if you are producing metal filings or wood chips. Wear an ANSI approved dust

mask or respirator when working around metal, wood, and chemical dusts and mists. Wear ear protection when sanding for long periods.

9. **Do not overreach.** Keep proper footing and balance at all times. Do not reach over or across running machines.
10. **Maintain tools with care.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and, if damaged, have them repaired by an authorized technician. The handles must be kept clean, dry, and free from oil and grease at all times.
11. **Disconnect power.** Unplug when not in use.
12. **Remove adjusting keys and wrenches.** Check that keys and adjusting wrenches are removed from the tool or machine work surface before plugging it in.
13. **Avoid unintentional starting.** Be sure the switch is in the "OFF" position when not in use and before plugging in.
14. **Stay alert.** Watch what you are doing, use common sense. Do not operate any tool when you are tired.
15. **Check for damaged parts.** Before using any tool, any part that appears damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment and binding of moving parts; any broken parts or mounting fixtures; and any other condition that may affect proper operation. Any part that is damaged should be properly repaired or replaced by a qualified technician. Do not use the tool if any switch does not turn On and Off properly.
16. **Guard against electric shock.** Prevent body contact with grounded surfaces such as pipes, radiators, ranges, and refrigerator enclosures.
17. **Replacement parts and accessories.** When servicing, use only identical replacement parts. Use of any other parts will void the warranty. Only use accessories intended for use with this tool.
18. **Do not operate tool if under the influence of alcohol or drugs.** Read warning labels on prescriptions to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, do not operate the tool.
19. **Avoid causing fires.** When sanding metals remove dust collecting bags and hoses from the machine. Sparks or hot metal could start a fire. Clean all wood dust before and after sanding metal.
20. **Avoid flammable liquids.** To avoid possible fires, never use sander near flammable liquids, vapors, or gases.
21. **Avoid breathing dust.** Wear a dust mask over your mouth and nose.

Unpacking

When unpacking, check to make sure all the parts shown on the part number listing on page are included in in good condition.

When reading the instructions shown below, all reference numbers used refer to the Part Number Listing and Parts Diagram shown on page.

Mounting Sanding Belts on Drums

The Drum(# 16) is air inflatable, allowing for a variable range of firmness depending on the desired sanding application. By keeping the Drum underinflated, the Sanding Belt will be more flexible for efficient contour sanding. With the Drum fully inflated, the Sanding Belt will be firm.

Unscrew the Safety Cover(# 20) to view the Air Valve(# 15). Use a standard air hose fitting to add air to inflate the Drum. To remove air, Pull out the valve stem until the desired amount of air escapes. Once the proper air level is achieved, replace the valve stem and put the Safety Cover back on.

Sanding Belts(# 17) should be put on the Drum when the Drum is underinflated. After removing the Safety Cover, deflate the Drum so that the Sanding Belt easily slips on. Inflate the Drum to the desired level and replace the Safety Cover.

Procedure to change sandpaper on the flap sander.

1. Loosen bolt and remove flap sander assembly.
2. Remove outer cover and fiber brushes, which support the sanding laps.
3. Loosen Phillips screws holding the clamping plate for the sanding laps.
4. Remove the worn sanding flaps and replace with new sanding paper, tighten the two Phillip screws.
5. Replace the fiber brushes. Replace the outer cover. Place the assembly on the motor spindle and tighten bolt.

Note: Sandpaper must face in the direction of rotation, and each clamping plate holds two sheets.

Note: When installing Sanding Belts, make sure that the directional arrows on the belts match the rotation of the motor shaft.

Turning the Drum Sander "ON" and "OFF"

1. Before plugging the Drum Sander in the electrical outlet, make sure the Switch(# 26) is in the OFF position (switch is in the bottom position).
2. The Drum Sander's Switch has an ON position (switch in the upper position) and an OFF posi-

tion(switch in the bottom position) . In addition, there is a safety switch (the red Switch face) which can be pulled away from the Switch to eliminate the possibility of unwanted machine starting.

Caution: Never walk away from the Drum Sander when the machine is running. Always move the Switch to the "OFF" position when not in use.

3. Never have the workpiece touching the Sanding Belts before the Sanding Belts are turned on. Sanding on the Drum Sander should only occur once the Sanding Belts are operating at full speed.

4. Before sanding with the Drum Sander, test the machine and make sure the Sanding Belts are in good working order and aligned properly. Never use a damaged Sanding Belt.

5. Use compressed air to blow out dust and debris from the Drum Sander and motor.

Parts Listing and Parts Diagram

NO.	NAME	QUANTITY	NO.	NAME	QUANTITY
①	motor	1	⑬	rubber washer	2
②	pin	2	⑭	little ring I	1
③	countersunk head screw M6 x 15	28	⑮	little drum	1
④	big ring	2	⑯	little ring II	1
⑤	big drum	1	⑰	left safety cover	1
⑥	bolt M6 x 16	2	⑱	left bolt	1
⑦	washer Φ12	2	⑲	little rubber drum	1
⑧	right-bolt	1	⑳	little sand belt	1
⑨	right safety cover	1	㉑	board of switch	1
⑩	big rubber drum	1	㉒	switch	1
⑪	big sand belt	1	㉓	screw M5 x 8	2
⑫	air valve	2			

APPENDICES

NO.	NAME
F1:	LEFT TIGHTEN-BOLT
F2:	BUSH
F3:	BIG WASHER
F4:	PALM BRUSH PARTS

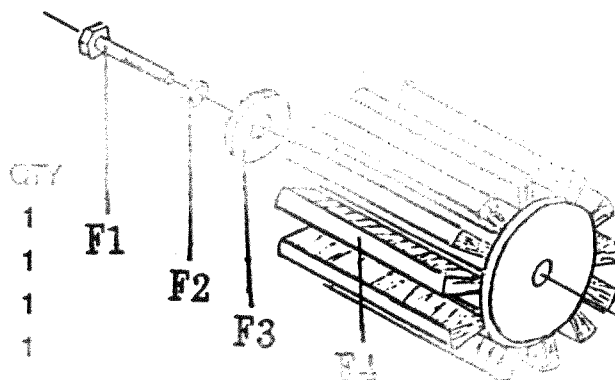


DIAGRAM OF FLAP/PNEUMATIC DRUM SANDER

