



VIBRATORY TUMBLER PARTS CLEANER

18LB

MODEL No's: **SB949**

Thank you for purchasing a Sealey product. Manufactured to a high standard, this product will, if used according to these instructions, and properly maintained, give you years of trouble free performance.

IMPORTANT: PLEASE READ THESE INSTRUCTIONS CAREFULLY. NOTE THE SAFE OPERATIONAL REQUIREMENTS, WARNINGS & CAUTIONS. USE THE PRODUCT CORRECTLY AND WITH CARE FOR THE PURPOSE FOR WHICH IT IS INTENDED. FAILURE TO DO SO MAY CAUSE DAMAGE AND/OR PERSONAL INJURY AND WILL INVALIDATE THE WARRANTY. KEEP THESE INSTRUCTIONS SAFE FOR FUTURE USE.



Refer to instruction manual



Wear ear protection



Wear a face shield



Wear eye protection



Wear a mask

1. SAFETY

1.1. ELECTRICAL SAFETY

- WARNING!** It is the user's responsibility to check the following:
 - Check all electrical equipment and appliances to ensure that they are safe before using. Inspect power supply leads, plugs and all electrical connections for wear and damage.
 - Ensure that the insulation on all cables and on the appliance is safe before connecting it to the power supply.
- * **DO NOT** use worn or damaged cables, plugs or connectors.
- ✓ Ensure that any faulty item is repaired or is replaced immediately by a qualified electrician.
- ✓ If the cable or plug is damaged during use, switch off the electricity supply and remove from use.
- ✓ Sealey recommend that an RCD (Residual Current Device) is used with all electrical products.
- IMPORTANT:** Ensure that the voltage rating on the appliance suits the power supply to be used and that the plug is fitted with the correct fuse.
- * **DO NOT** pull or carry the appliance by the power cable.
- * **DO NOT** pull the plug from the socket by the cable.

1.2. GENERAL SAFETY

- ✓ Save this manual for the safety warnings and precautions, assembly instructions, operating and maintenance procedures, parts list and diagrams. Keep your invoice with this manual. Keep the manual and invoice in a safe and dry place for future reference.
- ✓ Only to be used by skilled or instructed persons.
- ✓ Familiarise yourself with the application and limitations of the product, as well as the specific hazards.
- WARNING!** Isolate the product from the electrical supply before servicing or performing any maintenance.
- ✓ Maintain the product in good condition (use an authorised service agent).
- ✓ Replace or repair damaged parts. Use recommended parts only. Unauthorised parts may be dangerous and will invalidate the warranty.
- ✓ Locate and fix the product in a suitable work area. **DO NOT** position in direct sunlight, or in areas of extreme heat or cold.
- ✓ Keep children and unauthorised persons away from the work area.
- * **DO NOT** use the product for any purpose other than that for which it is designed.
- * **DO NOT** operate the product when you are tired, under the influence of alcohol, drugs or intoxicating medication.
- ✓ When not in use, switch off and unplug from the electrical supply.
- WARNING! DO NOT** dismantle the product, to do so may result in damage to the product and/or personal injury and will invalidate the warranty. Internal maintenance, which will require the opening of the casing, must only be undertaken by an authorised service agent.
- ✓ Keep work area clean. Cluttered areas invite injuries.
- ✓ 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 lit. **DO NOT** use electrically powered tools in the presence of flammable gases or liquids.
- ✓ Keep children away. Children must never be allowed in the work area. **DO NOT** let them handle machines, tools, or extension cords.
- ✓ 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.
- * **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.
- ✓ 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** modify this tool and **DO NOT** use this tool for a purpose for which it was not intended.
- ✓ Dress properly. **DO NOT** wear loose clothing or jewellery 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.
- ✓ 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.
- ✓ Avoid unintentional starting. Be sure the switch is in the Off position when not in use and before plugging in.
- ✓ Stay alert. Watch what you are doing, use common sense. **DO NOT** operate any tool when you are tired.
- ✓ 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.

- ✓ Guard against electric shock. Prevent body contact with grounded surfaces.
- ✓ 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.
- ✗ **DO NOT** operate tool if under the influence of alcohol or drugs. Read warning labels if taking prescription medicine to determine if your judgment or reflexes are impaired while taking drugs. If there is any doubt, **DO NOT** operate the tool.

1.2.1. MAINTENANCE. For your safety, service and maintenance should be performed regularly by a qualified technician.

NOTE: Performance of this tool may vary depending on variations in local line voltage.

- ✓ Extension cord usage may also affect tool performance.
- **WARNING!** The warnings, cautions, and instructions discussed in this instruction manual cannot cover all possible conditions and situations that may occur. It must be understood by the operator that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.
- ✗ **DO NOT** exceed 18lb tank capacity.
- ✗ **DO NOT** use without top lid in place. Hazardous dust may be created and media and/or work materials may be ejected.
- ✗ **DO NOT** remove top lid immediately after use. Wait at least 1 hour after tumbling is complete before opening top lid. This will allow dust to settle.
- ✗ **DO NOT** place items on the top lid during use.
- ✓ Stay alert, watch what you are doing and use common sense when operating a power tool.
- ✓ Industrial applications must follow OSHA guidelines.
- ✓ Maintain labels and nameplates on the tool. These carry important safety information.
- ✓ Avoid unintentional starting. Prepare to begin work before turning on the tool.
- ✓ People with pacemakers should consult their physician(s) before use. Electromagnetic fields in close proximity to heart pacemaker could cause pacemaker interference or pacemaker failure.

2. INTRODUCTION

Vibratory tumbler suitable for surface cleaning and polishing, rust removal and deburring, providing quick and effective results. Can be used wet or dry with polishing media. Allows for efficient cleaning and polishing of various small metal objects and other items with the assistance of cleaning medias. Features a polymer bowl designed to withstand rigorous use and ensure longevity.

3. SPECIFICATION

Model No:	SB949
Bowl Capacity:	8.15kg
Bowl Opening Size:	Ø250mm
Nett Weight:	12.5kg
Supply:	230V/50Hz



4. OPERATION

4.1. PREPARATION

- **WARNING!** Before appliance assembly or adjustment, make sure the appliance's switch is turned off, the cord is unplugged, and the unit has cooled completely.

4.2. TO PREVENT SERIOUS INJURY FROM TOOL FAILURE: DO NOT use damaged equipment. If abnormal noise or vibration occurs, have the problem corrected before further use.

- 4.2.1. Clean the appliance before use as explained in the Maintenance section.
- 4.2.2. Ensure that the plastic drain plugs are secure and will not leak if fluid is added to the vibratory bowl.
- ✗ **DO NOT** plug in the vibratory bowl until ready for operation.
- 4.2.3. This vibratory tumbler is designed for deburring, cleaning or polishing work materials of various types using either wet or dry polishing media. **NOTE:** Very sharp or hard work materials or media may cause excessive wear on the vibratory bowl. **DO NOT** use very sharp or hard materials in this appliance.
- 4.2.4. Various media are available for different jobs. Select the appropriate media and running time for your work material. The chart below offers suggestions for various situations. Always do a test run on a few pieces of work material to test the media and running time before committing work material to a specific process.

NOTE: This is a chart of recommended media for this vibratory bowl. Plastic beads are usually used with a powdered abrasive added. Walnut shells and corn cob may be used alone, or with added abrasive. Polishing materials include rouge, ruby powder and linde A.

Media Type	Abrasive	Application	Weight
Plastic Beads	Fine Silicate.	Light surface reduction, surface preparation for polishing.	62 lb. per cubic foot.
Plastic Beads	Medium Silicate.	Medium surface reduction, deburring.	56lb. per cubic foot.
Plastic Beads	Coarse Aluminum Oxide.	Heavy surface reduction, deburring.	62lb. per cubic foot.
Walnut Shell	Rouge.	Polishing Oxide removal.	45lb per cubic foot.
Walnut Shell	None Added.	Polishing.	45lb. per cubic foot.
Corn Cob	None Added.	Polishing.	29 lb. per cubic foot.
Red Rouge	1st Step Polisher.	Powdered Polishing Additive.	May vary, not specified.
Ruby Powder	Medium Polisher.	Powdered Polishing Additive.	May vary, not specified.
Linde A	Finish Polisher.	Powdered Finishing Additive.	May vary, not Specified.

4.2.5. ADDITIONAL NOTES

4.2.6. Steel and ceramic media, generally used in tumbling, can also be used however they may cause the bowl to wear out over time due to them being an aggressive media. There is a wide variety of media to be used in vibratory finishing.

4.3. MEDIA SELECTION

4.3.1. **FOR DEGREASING** use ground corncob, walnut shell or plastic media. Vibrate for 30 minutes to 1 hour.

4.4. **TO REMOVE RUST** use commercially available treated plastic media. Depending on the condition materials, you will have to vibrate for 2 - 6 hours.

4.5. **TO DE-BURR OR POLISH**, vibrate in walnut hull, plastic beads, or corncob media. You may add a small amount of commercial metal polish.

CAUTION: Vibratory finishing often creates dust which may be harmful to your health. Wait for at least 1 hour after vibrating is complete and the vibratory tumbler has been turned OFF before opening the vibratory tumbler. This will allow the dust to settle. Never vibrate with the top off, as hazardous dust may be created, and the media or work materials may be ejected from the vibratory tumbler.

4.5.1. Fill the vibratory bowl about 2/3 full with polishing media (not included).

4.5.2. Add work material parts to vibratory bowl. **DO NOT** overfill tumbler bowl, and **DO NOT** exceed work weight limit of 18lb including media.

4.5.3. Place the top lid on the vibration bowl. Place the rubber washer and the flat washer on the threaded shaft.

4.5.4. Place the clamp nut on the threaded shaft and tighten in place. Tighten enough to keep the top lid in place. **DO NOT** overtighten.

4.5.5. Plug in the unit and press the power switch to the ON position. The vibratory tumbler will begin to operate.

4.5.6. When the job is completed, turn the power switch OFF and unplug the unit.

4.5.7. Remove the clamp nut, and pull the top lid off the threaded shaft bringing the flat washer and rubber washer with it. Set the cover assembly aside.

4.5.8. If a lubricant is used, then the overflow hose must be used to drain any excess lubricant/water into a suitable container, preventing overflow.

4.5.9. Check the work material to determine if the job is completed to satisfaction. If additional work is required, replace the lid assembly and repeat the process. If the work is completed, unload the work material and media.

4.5.10. To prevent accidents, turn off the appliance and disconnect its power supply after use. Clean, then store the appliance indoors out of children's reach.

5. MAINTENANCE

❑ **WARNING!** Procedures not specifically explained in this manual must be performed only by a qualified technician.

5.1. CLEANING, MAINTENANCE, AND LUBRICATION

5.1.1. **BEFORE EACH USE**, inspect the general condition of the tumbler. Check for:

5.1.2. Loose hardware.

5.1.3. Misalignment or binding of moving parts.

5.1.4. Cracked or broken parts.

5.1.5. Damaged electrical wiring, and any other condition that may affect its safe operation.

5.1.6. Check that the rubber washer is in good condition and in place. Replace if damaged.

5.1.7. The rubber feet at the bottom of the base may eventually wear out. Inspect these periodically. If worn, replace.

5.1.8. Protect the motor from water and moisture.

5.1.9. Store vibration tumbler in a dry location and out of the reach of children when not in use.

5.1.10. After use, wipe external surfaces of the tumbler with a clean cloth.

❑ **WARNING!** If the supply cord of this power tool is damaged, it must be replaced only by a qualified service technician.

6. TROUBLESHOOTING

Follow all safety precautions whenever diagnosing or servicing the tool. Disconnect power supply before service.

PROBLEM	POSSIBLE CAUSES	LIKELY SOLUTIONS
Tool will not start.	<ol style="list-style-type: none"> 1. Cord not connected. 2. No power at outlet. 3. Tool's thermal reset breaker tripped (if equipped). 4. Internal damage or wear. (Carbon brushes or switch, for example). 	<ol style="list-style-type: none"> 1. Check that cord is plugged in. 2. Check power at outlet. If outlet is unpowered, turn off tool and check circuit breaker. If breaker is tripped, make sure circuit is right capacity for tool and circuit has no other loads. 3. Turn off tool and allow to cool. Press reset button on tool. 4. Have technician service tool.
Tool operates slowly.	Extension cord too long or wire size too small.	Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load.
Performance decreases over time.	<ol style="list-style-type: none"> 1. Accessory dull or damaged. 2. Carbon brushes worn or damaged. 	<ol style="list-style-type: none"> 1. Keep cutting accessories sharp. Replace as needed. 2. Have qualified technician replace brushes.
Excessive noise or rattling.	Internal damage or wear. (Carbon brushes or bearings, for example).	Have technician service tool.
Overheating.	<ol style="list-style-type: none"> 1. Forcing machine to work too fast. 2. Blocked motor housing vents. 3. Motor being strained by long or small diameter extension cord. 	<ol style="list-style-type: none"> 1. Allow machine to work at its own rate. 2. Wear ANSI approved safety goggles and NIOSH-approved dust mask/respirator while blowing dust out of motor using compressed air. 3. Eliminate use of extension cord. If an extension cord is needed, use one with the proper diameter for its length and load.
Work material is not finished properly.	<ol style="list-style-type: none"> 1. Improper media is being used. 2. Material has not been processed long enough. 	<ol style="list-style-type: none"> 1. Review media selection and try another option. 2. Unload excess material or extend vibration time cycle.



WEEE REGULATIONS

Dispose of this product at the end of its working life in compliance with the EU Directive on Waste Electrical and Electronic Equipment (WEEE). When the product is no longer required, it must be disposed of in an environmentally protective way. Contact your local solid waste authority for recycling information.



ENVIRONMENT PROTECTION

Recycle unwanted materials instead of disposing of them as waste. All tools, accessories and packaging should be sorted, taken to a recycling centre and disposed of in a manner which is compatible with the environment. When the product becomes completely unserviceable and requires disposal, drain any fluids (if applicable) into approved containers and dispose of the product and fluids according to local regulations.



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Note: It is our policy to continually improve products and as such we reserve the right to alter data, specifications and component parts without prior notice.

Important: No Liability is accepted for incorrect use of this product.

Warranty: Guarantee is 12 months from purchase date, proof of which is required for any claim.

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