

Owner's Manual

Makita[®] BENCH VAC VACUUM CLEANER

Dry Vacuum Model XBV01B

HOUSEHOLD AND WORKSHOP USE

Makita Limited One Year Warranty

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- The tool has been abused, misused or improperly maintained,
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

Attention:
Read all safety rules
carefully before
attempting to operate.
Retain for future reference!



Thank you for purchasing the Makita Bench Vac Cleaner. This vacuum cleaner combines efficient pick-up power with lightweight portability for quick and easy cleaning. Its compact size and built-in wheels permits this unit to clean where large vacuums cannot . . . closets, stairs, car interiors. It comes complete with a 3' x 1 1/4" hose, crevice tool, gulper nozzle, disposable filter bag and a wall mount bracket for easy storage. We hope you like the convenience and versatility of our Bench Vac vacuum cleaner.

Specifications

Intake opening	1 1/4"
Capacity	1 1/2 Quart debris
Horsepower	1.75 HP (peak)
Power supply	120V, 60Hz AC
Rated current draw	6.2 Amps
Weight (approximate)	4 Lbs.
Approval	UL Listed

IMPORTANT SAFETY INSTRUCTIONS

When using an electrical appliance, basic precautions should always be followed, including the following:

Read all instructions completely before attempting to operate your Makita Bench Vac cleaner.

DANGER To reduce the risk of electric shock:

1. Check the wall outlet to ensure for proper grounding of the electrical cable. Have a licensed electrician check the outlet if you are not sure.
2. Don't change filters or clean the unit until the plug has been disconnected from the electrical outlet. Always unplug unit after use.

WARNING To reduce the risk of burns, fire, electric shock, or personal injury:

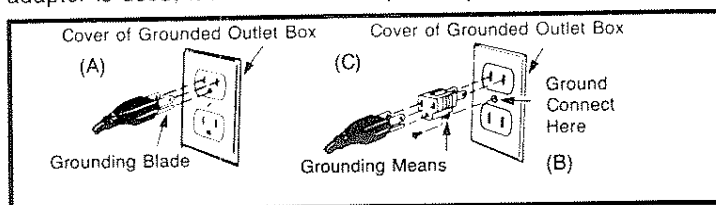
1. Don't allow the cleaner to be used as a toy or to run unattended at any time. Keep children away from cleaner.
2. Don't use accessories except as recommended and provided by Makita. Use this cleaner only for its intended use as described in this manual. Use of accessories not recommended by the manufacturer may cause fire, electric shock, or injury.
3. Never use the cleaner if the cord, plug, motor, filter, or the cleaner itself is in poor condition, if it has been dropped, damaged, exposed to weather, or dropped into water. Have a qualified serviceman inspect and replace parts whenever necessary.
4. Never operate cleaner without filters in place.
5. To avoid the igniting of vapors or dust due to arcing, do not pick up flammable or readily combustible material, hot ash, coals or use in the presence of explosive liquids or vapor. Arcing (or flash of light) behind switch or of carbon brushes is normal and is no cause for alarm.
6. Do not use your cleaner as a sprayer of flammable liquids such as oil-base paints, lacquers, household cleaners, etc.
7. Do not vacuum toxic, carcinogenic, combustible, or other hazardous materials such as asbestos, arsenic, barium, beryllium, lead, pesticides, or other health endangering materials. Specially designed units are available for these purposes.
8. Do not pick up burning cigarettes or other smoking materials, ashes, matches or similar materials.
9. Do not pick up wood or coal ash, soot or cement dust as these are very fine particles that may pass through the filters and affect the performance of the motor or be exhausted back into the air.
10. Don't leave the cord lying on the floor once you have finished the cleaning job. It can become a tripping hazard.
11. Don't abuse cord. Never carry cleaner by cord or pull cord to disconnect from outlet. Grasp the plug, not the cord.
12. Keep cord from heat, oil and sharp edges. Don't close doors on the cord or snag it under furniture or pull around corners with sharp edges.
13. To avoid spontaneous combustion, empty tank after each use.
14. Never operate the cleaner with any air openings blocked. Keep the air openings free of dust, lint, hair and the like.
15. Never drop or insert any objects into any openings.
16. Keep hair, face, fingers, and loose clothing away from any openings.
17. Before removing plug from outlet, switch should be in the off position.
18. Use extra caution when cleaning on stairs.
19. Never handle plug, cord or cleaner with wet hands.
20. Do not use outdoors or on wet surfaces. This vacuum is to be used indoors and for dry pick-up only.
21. Do not operate this or any tool under the influence of drugs or alcohol.
22. Use a dust mask in dusty work conditions.
23. Switches. Never use a tool with a malfunctioning switch. Have it repaired or replaced before use.
24. Do not overreach. Keep proper footing and balance at all times.
25. Maintain your tools. It is recommended that any tool be closely examined before use.
26. Cleaning. Use only soap and a damp cloth to clean plastic portions of this tool. Many household cleaners are harmful to plastics and other insulations. Never let liquid get inside motor housing.

SAVE THESE INSTRUCTIONS.

WARNING — TO AVOID ELECTRIC SHOCK, DO NOT EXPOSE TO RAIN. STORE INDOORS.

Grounding Instructions

This cleaner must be grounded. If it should malfunction or break down, grounding provides a path of least resistance for electric current to reduce the risk of electric shock. This cleaner is equipped with a cord having an equipment-grounding conductor and grounding plug. The plug must be plugged into an appropriate outlet that is properly installed and grounded in accordance with all local codes and ordinances. **DANGER** — Improper connection of the equipment-grounding conductor can result in a risk of electric shock. Check with a qualified electrician or serviceman if you are in doubt as to whether the receptacle is properly grounded. Do not modify the plug provided with the cleaner — if it will not fit the outlet, have a proper outlet installed by a qualified electrician. This cleaner is for use on a nominal 120 volt circuit, and has a grounding plug that looks like the plug illustrated in sketch A. A temporary adapter that looks like the adapter illustrated in sketches B and C may be used to connect this plug to a 2-pole receptacle as shown in sketch B if a properly grounded outlet is not available. The temporary adapter should be used only until a properly grounded outlet (sketch A) can be installed by a qualified electrician. The green colored rigid ear or lug extending from the adapter must be connected to a permanent ground such as a properly grounded outlet box cover. Whenever the adapter is used, it must be held in place by a metal screw.



Extension Cords

When using the cleaner at a distance where an extension cord becomes necessary, a 3-conductor grounding cord of adequate size must be used for safety, and to prevent loss of power and overheating. Use the table below to determine A.W.G. wire size required.

Extension cord length in feet:	25	50	75	100
A.W.G. wire size required:	18	16	14	12

Before using cleaner, inspect power cord for loose or exposed wires and damaged insulation. Make any needed repairs or replacements before using your cleaner. Use only three-wire extension cords which have three-prong grounding-type plugs and three-pole receptacles which accept the cleaner's plug. If using an extension cord when vacuuming liquid, be sure the connection does not come in contact with the liquid.

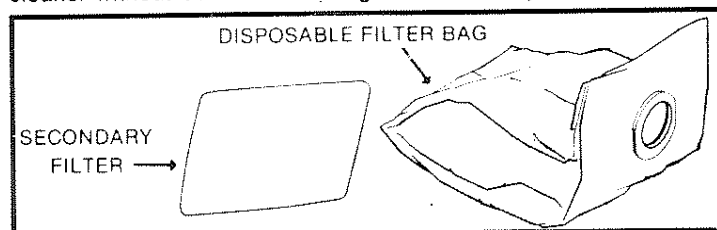
Note: Static shocks are common in dry areas or when the relative humidity of the air is low. This is only temporary and does not affect the use of the vacuum cleaner. To reduce the frequency of static shocks in your home, the best remedy is to add moisture to the air with a console or installed humidifier.

Maintenance

WARNING: BE SURE TO DISCONNECT POWER SUPPLY BEFORE ATTEMPTING TO SERVICE OR REMOVE ANY COMPONENTS.

The cleaning power and efficiency of the vacuum is completely dependent upon the filter system. This unit is supplied with a disposable filter bag and a reusable secondary filter.

Make sure the disposable filter bag does not become clogged, and that it is replaced regularly. Keeping it clean is of utmost importance to prevent overheating and possible motor damage. Your secondary filter may require periodic cleaning or replacement, and should be checked each time the filter bag is changed. Do not operate vacuum cleaner without both the filter bag and secondary filter in place.



Should servicing be required, refer to the Replacement Parts illustration for purposes of disassembly and reassembly. Replace all worn or damaged parts.

Motor

The vacuum motor is intended for dry pick-up only, and the bearings are factory lubricated for life. It operates on 120V AC, and is designed for intermittent operation.

Trouble Shooting Chart

SYMPTOM	POSSIBLE CAUSE(S)	CORRECTIVE ACTION
Vacuum will not start.	1. No electric power. 2. Defective switch. 3. Defective motor.	1. Check home circuit fuse or circuit breaker. 2. Replace switch. 3. Replace motor.
Dust blowing out exhaust.	Filters not functional.	Clean secondary filter or replace bag and/or secondary filter.
Loss of vacuum.	1. Loose hose connection. 2. Filter clogged. 3. Full bag. 4. Hole in hose.	1. Tighten hose connection. 2. Clean secondary filter or replace filter and bag. 3. Replace disposable filter bag. 4. Replace hose.

Instructions

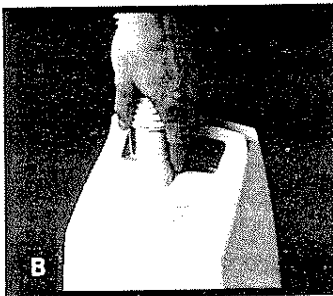
Your portable vac comes fully assembled and ready for use. Before operating, always insure that the filter bag and secondary filter are installed properly. To check this, be sure that the electric cord is unplugged, and unwrapped from the cleaner. Stand vacuum cleaner upright and remove tank by unlocking latch at bottom and lift tank up (see photo A.) Check filter bag and secondary filter installation. Then reattach the tank and latch it in place. To operate, simply plug in and slide switch to "on" position.

All you need do is add the proper accessories for your particular cleaning job. The unit is equipped with a permanently lubricated motor which is sealed for long life. Lubrication is not required. A dual filtration system allows the passage of only the cleanest possible exhausted air, which also provides adequate air movement past the motor for cooling. **DO NOT** operate without the secondary filter in place. **DO NOT** operate without the paper filter bag. **DO NOT** operate when the paper filter bag is full. Replace the filter bag when you notice a decline in vacuum pick-up or a higher than usual housing temperature.



To Install Hose, Wands And Accessories Properly

Push hose end firmly into tank opening (see photo B.) Twist slightly to tighten so it will not fall out during use. Optional wands and accessories also require a slight twist to secure tightly.

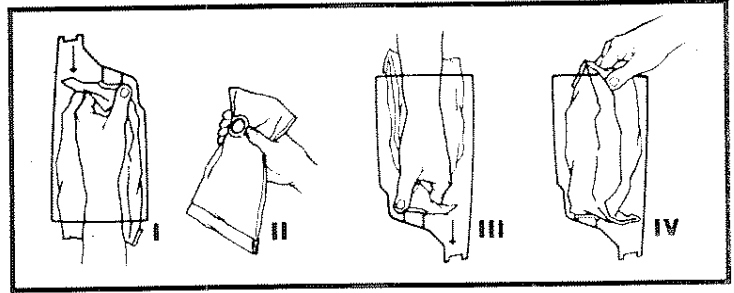


To Change Disposable Filter Bag

1. Unplug electrical cord from outlet.
2. Stand vacuum cleaner upright.
3. Remove tank by unlocking latch at lower end (see photo A.)
4. Holding tank upright, remove full bag by grasping cardboard collar (see illustration I) and slowly sliding off plastic inlet.
5. To insert new bag, grasp cardboard collar as shown. (Illustration II)

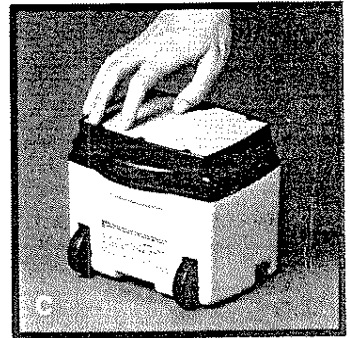
6. Place hole in cardboard collar over plastic inlet fitting and slide collar over inlet fitting as far as it will go (Be careful not to tear bag). (Illustration III)
7. Expand filter bag by carefully pulling bag upwards so that entire filter bag is positioned inside tank. (Illustration IV)
8. Clean or replace secondary filter located at the opening of the power unit, insuring that it covers the interior grill of the power unit and is held in place by the tabs. (See note below).
9. Reattach tank to power unit.

NOTE: When replacing filter bag, also check that secondary filter is clean. Shake or brush to remove dirt. Replace secondary filter if necessary. (See below)



Cleaning Or Replacing Secondary Filter

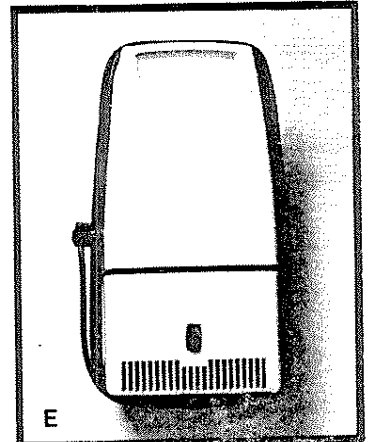
The secondary filter may require periodic cleaning or replacement. The filter is positioned at the opening of the bottom part of the unit. Pull out the filter, and shake or brush to remove dirt. An excessive amount of dirt on the secondary filter indicates a torn or leaking disposable bag or the disposable bag is not properly installed. To replace the secondary filter, insure that it is correctly positioned behind the six tabs (see photo C).



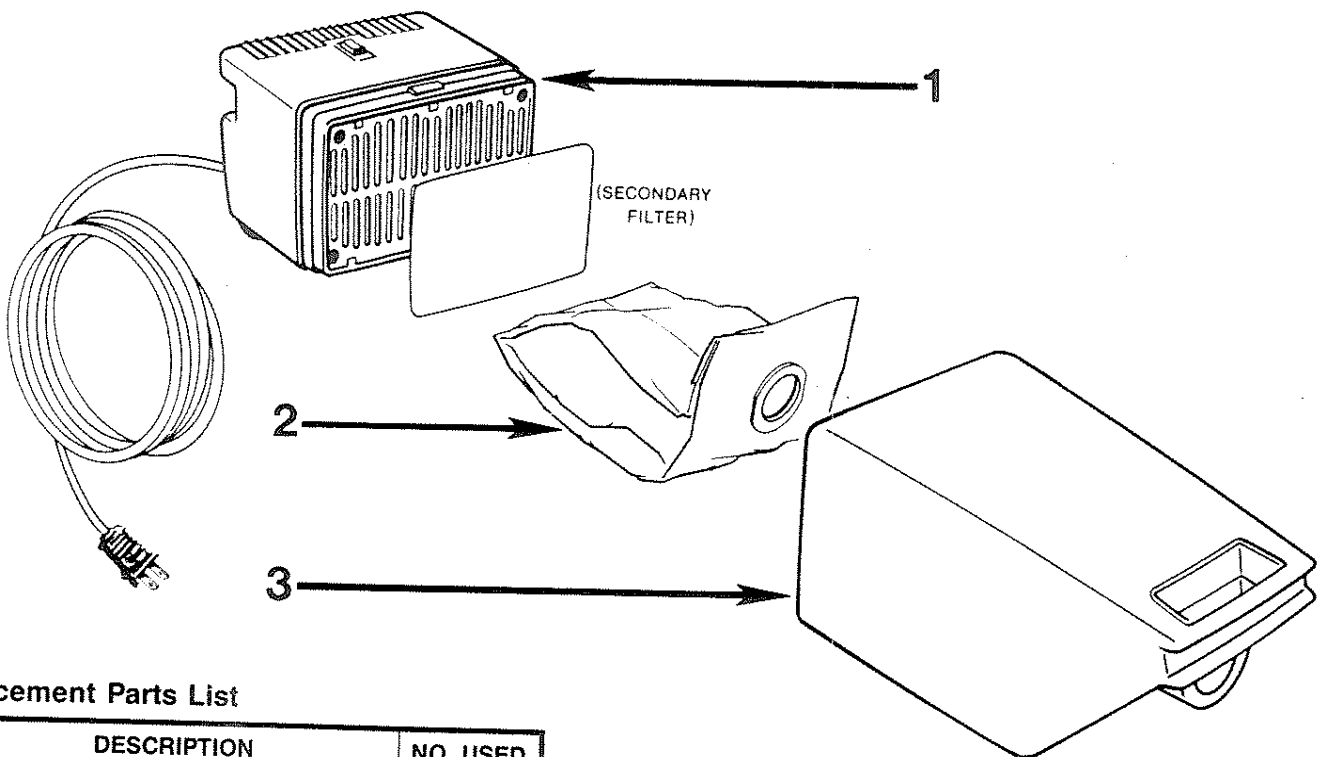
NEVER OPERATE VACUUM CLEANER WITHOUT DISPOSABLE FILTER BAG AND SECONDARY FILTER IN PLACE. REPLACE WITH MANUFACTURER RECOMMENDED FILTER BAGS FOR BEST PERFORMANCE.

How To Mount Wall Bracket

1. The Wall Bracket is designed to be mounted vertically on a wall. **NOTE:** Select a location on a wall where your Makita Bench Vac cannot be pulled or dropped into water or other liquids; and, not subjected to extreme temperatures or weather conditions.
2. To mount the bracket, place it against the wall where it is to be mounted and install the screw provided. Attach screw to a wall stud if possible.
3. Hanging the vac on the wall bracket is accomplished by placing the vac on the wall bracket and engaging the hook to the wall bracket (see photo D).
To store cord neatly, wrap cord as shown in photo and attach cord to plug clip (see photo E).



Schematic



Replacement Parts List

ITEM	DESCRIPTION	NO. USED
1	Vacuum Power Unit Includes Secondary Filter	1
2	Replacement Filters	1
3	Tank	1

Makita Factory or Authorized Service Centers

If your Makita Bench Vac ever needs repair or maintenance during the warranty period or any time thereafter, there are Factory and Authorized Service Centers located across the country. (Please see the accompanying list, current Makita catalog or consult your local yellow pages.)

Do not attempt to service your Makita Bench Vac beyond that described in the Owner's Manual. For all other servicing, please refer to a qualified Makita Service Center.

WARNING:

IF ANY OF THE MOTOR HOUSING PARTS SHOULD BECOME DETACHED OR BROKEN, EXPOSING THE MOTOR OR ANY OTHER ELECTRICAL COMPONENTS, OPERATION SHOULD BE DISCONTINUED IMMEDIATELY TO AVOID PERSONAL INJURY OR FURTHER DAMAGE TO THE VACUUM. REPAIRS SHOULD BE MADE BEFORE REUSING THE VACUUM.

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