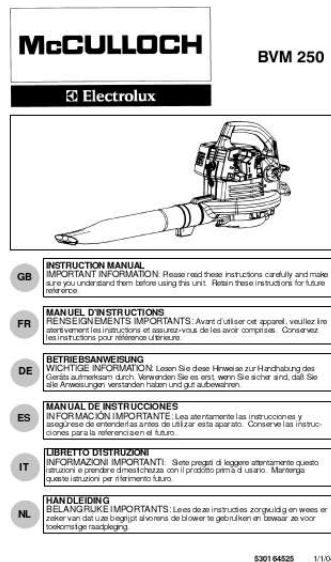




Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for MCCULLOCH BVM 250. You'll find the answers to all your questions on the MCCULLOCH BVM 250 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual MCCULLOCH BVM 250
User guide MCCULLOCH BVM 250
Operating instructions MCCULLOCH BVM 250
Instructions for use MCCULLOCH BVM 250
Instruction manual MCCULLOCH BVM 250



The image shows the cover of the MCCULLOCH BVM 250 user manual. At the top left is the MCCULLOCH logo, and at the top right is the model number BVM 250. Below the logo is the Electrolux logo. In the center is a technical drawing of the BVM 250 blower. Below the drawing are six language options for the instruction manual, each with a small circular icon: GB (English), FR (French), DE (German), ES (Spanish), IT (Italian), and NL (Dutch). At the bottom right of the cover, the number 530164525 and the page number 1/104 are visible.



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Manual abstract:

Retain these instructions for future reference. FR MANUEL D'INSTRUCTIONS RENSEIGNEMENTS IMPORTANTS: Avant d'utiliser cet appareil, veuillez lire attentivement les instructions et assurez-vous de les avoir comprises. Conservez les instructions pour référence ultérieure. DE BETRIEBSANWEISUNG WICHTIGE INFORMATION: Lesen Sie diese Hinweise zur Handhabung des Geräts aufmerksam durch. Verwenden Sie es erst, wenn Sie sicher sind, daß Sie alle Anweisungen verstanden haben und gut aufbewahren. ES MANUAL DE INSTRUCCIONES INFORMACIÓN IMPORTANTE: Lea atentamente las instrucciones y asegúrese de entenderlas antes de utilizar esta aparato. Conserve las instrucciones para la referencia en el futuro. IT LIBRETTO D'ISTRUZIONI INFORMAZIONI IMPORTANTI: Siete pregati di leggere attentamente queste istruzioni e prendere dimestichezza con il prodotto prima di usarlo. Mantenga queste istruzioni per riferimento futuro. NL HANDLEIDING BELANGRIJKE IMPORTANTS: Lees deze instructies zorgvuldig en wees er zeker van dat uze begrijpt alvorens de blower te gebruiken en bewaar ze voor toekomstige raadpleging.

530164525 1/1/04 KEY TO SYMBOLS WARNING! This blower can be dangerous! Careless or improper use can cause serious or even fatal injury. Read and understand the instruction manual before using the blower. WARNING! Be sure the bottom cover is secured or the vacuum tube is properly installed. Avoid the impeller blade with your hand or any foreign object. Instructions on how to open vacuum inlet cover.

Use unleaded or quality leaded petrol and two stroke oil. Always wear eye and ear protection. Fast throttle Slow idle Sound pressure level at 7,5 meters Sound power level SAFETY RULES WARNING: Failure to follow all Safety Rules and Precautions can result in serious injury. KNOW YOUR UNIT S Read your instruction manual carefully until you completely understand and can follow all warnings and safety rules before operating the unit. D Restrict unit to users who understand and will follow all warnings and safety rules in this manual.

D D D PLAN AHEAD D WARNING: Inspect area before starting unit. Remove all debris and hard objects such as rocks, glass, wire, etc. that can ricochet, be thrown, or otherwise cause injury or damage during operation. @@@@ Move slowly back and forth over the material as you vacuum. Avoid forcing the unit into a pile of debris as this can clog the unit. D Keep the vacuum tube about an inch above the ground for best results. D D Always wear eye and ear protection when operating, servicing, or performing maintenance on unit. Wearing eye protection will help to prevent rocks or debris from being blown or ricocheting into eyes and face which can result in blindness and/or serious injury. Eye protection should be marked Z87. Always wear foot protection.

Do not go barefoot or wear sandals. Always wear respirator or face mask when working with unit in dusty environments. Secure hair above shoulder length. Secure or remove jewelry, loose clothing, or clothing with loosely hanging straps, ties, tassels, etc. They can be caught in moving parts. Do not operate unit when you are tired, ill, upset, or if you are under the influence of alcohol, drugs, or medication. Keep children, bystanders, and animals away from work area a minimum of 10 meters when starting or operating unit. Do not point blower nozzle in the direction of people or pets. The operator of the machine must insure that no one comes within a 10 meter radius while working. When several operators are working within the same area, a safety distance of at least 10 meters must be observed.

-- 2 -- The blower can throw objects violently. -You can be blinded or injured. -Always wear eye protection. WARNING! Thrown objects D HANDLE FUEL WITH CAUTION D D D D D D D Eliminate all sources of sparks or flame (including smoking, open flames, or work that can cause sparks) in the areas where fuel is mixed, poured, or stored. Mix and pour fuel in an outdoor area; store fuel in a cool, dry, well ventilated place; use an approved, marked container for all fuel purposes.

Do not smoke while handling fuel or while operating the unit. Make sure the unit is properly assembled and in good operating condition. Do not fill fuel tank while engine is hot or running. Avoid spilling fuel or oil. Wipe up fuel spills before starting engine.

Move at least 3 meters away from fuel and fueling site before starting engine. Always store petrol in a container approved for flammable liquids. D D D D D as trees, automobiles, walls, etc. The force of air can cause rocks, dirt, or sticks to be thrown or to ricochet which can hurt people or animals, break glass, or cause other damage. Never run unit without the proper equipment attached. When using your unit as a blower, always install blower tubes. When using your unit as a vacuum, always install vacuum tubes and vacuum bag assembly. Make sure vacuum bag assembly is completely zipped. Check air intake opening, blower tubes, vacuum tubes, and elbow tube frequently, always with engine stopped and spark plug disconnected. Keep vents and discharge tubes free of debris which can accumulate and restrict proper air flow.

Never place any object in the air intake opening as this could restrict proper air flow and cause damage to the unit. Never use for spreading chemicals, fertilizers, or other substances which may contain toxic materials. To avoid spreading fire, do not use near leaf or brush fires, fireplaces, barbecue pits, ashtrays, etc. Use only for jobs explained in this manual. Have all maintenance other than the recommended procedures described in the instruction manual performed by an authorized service dealer. Disconnect spark plug before performing maintenance except for carburetor adjustments. Use only recommended McCulloch! replacement parts; use of any other parts may void your warranty and cause damage to your unit. Empty fuel tank before storing the unit. Use up fuel left in carburetor by starting engine and letting it run until it stops. Do not use any accessory or attachment other than those recommended by manufacturer for use with your unit.

Do not store the unit or fuel in a closed area where fuel vapors can reach sparks or an open flame from hot water heaters, electric motors or switches, furnaces, etc. Store in a dry area out of reach of children. MAINTAIN YOUR UNIT PROPERLY OPERATE YOUR UNIT SAFELY D WARNING: Stop the engine before opening the vacuum inlet door. The engine must be stopped and the impeller blades no longer turning to avoid serious injury from the rotating blades. D Inspect unit before each use for worn, loose, missing, or damaged parts.

Do not use until unit is in proper working order. D Keep outside surfaces free of oil and fuel. D Never start or run engine inside a closed room or building. Breathing exhaust fumes can kill. D To avoid static electricity shock, do not wear rubber gloves or any other insulated gloves while operating unit.



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D Do not set unit on any surface except a clean, hard area while engine is running. Debris such as gravel, sand, dust, grass, etc. could be picked up by the air intake and thrown out through discharge opening, damaging unit, property, or causing serious injury to bystanders or operator. D Avoid dangerous environments. Do not use in unventilated areas or where explosive vapors or carbon monoxide build up could be present. D Do not overreach or use from unstable surfaces such as ladders, trees, steep slopes, rooftops, etc. Keep firm footing and balance at all times. D Never place objects inside the blower tubes; always direct the blowing debris away from people, animals, glass, and solid objects such as D D D D D SAFETY NOTICE: Exposure to vibrations through prolonged use of gasoline powered hand tools could cause blood vessel or nerve damage in the fingers, hands, and joints of people prone to circulation disorders or abnormal swelling. Prolonged use in cold weather has been linked to blood vessel damage in otherwise healthy people. @@@@1.

Throttle Lever 2. Primer button 3. Choke lever 4. Fuel cap 5. Starter rope 6. Rear handle 7. Spark plug 8. Blower tube 9. Elbow tube 10. Vacuum bag 11. Lower vacuum tube 12. Upper vacuum tube 13. @@@@Loosen knob by turning counterclockwise. @@The rotating blades can cause serious injury. @@@@Secure the tube by turning the knob clockwise.

3. @@Open the zipper on the vacuum bag and insert the elbow tube. 2. @@@@6. @@@@3.

Close the zipper on the bag. Make sure the zipper is closed completely. 4. Remove blower tube from engine. Inlet Cover Latch Groove 5. Insert the elbow tube into the blower outlet. Make sure elbow tube rib is aligned with the blower outlet groove. 6. @@Align the lower vacuum tube as shown. Push lower vacuum tube into upper vacuum tube.

@@@2. @@Latch Area Lower Vacuum Tube 2. Insert the tip of a screwdriver into the latch area of the vacuum inlet. Blower Latch Outlet Area Latch Area Vacuum Inlet Cover 3. Gently tilt the handle of the screwdriver toward the back of the unit to release the latch while pulling up on the vacuum inlet cover with your other hand. 3. Remove the vacuum bag. 4. Close the vacuum inlet cover and make sure it is latched closed. 5.

Reinstall the blower tube (see BLOWER TUBE ASSEMBLY). -- 5 -- SHOULDER STRAP ADJUSTMENT (for vacuum use only) 1. Hold the unit as shown with the muffler side facing away from your body and clothes. 2. Pass the shoulder strap over your head and onto your right shoulder.

3. Extend your left arm toward the rear of the vacuum bag. 4. Adjust shoulder strap until the vacuum bag/shoulder strap seam lies between your thstill does not start, proceed to STARTING A FLOODED ENGINE. 9.

To stop the engine, move the throttle lever to the STOP position. STOPPING YOUR ENGINE D To stop the engine, move the throttle lever to the STOP position. BEFORE STARTING THE ENGINE WARNING: You MUST make sure the tubes are secure before using the unit. D Fuel engine. Move at least 3 meters away from the fueling site. D Hold the unit in the starting position as shown. Make sure the blower end is directed away from people, animals, glass, and solid objects. STARTING POSITION STARTING A WARM ENGINE 1. Move throttle lever to the position. 2.

Pull starter rope sharply until engine runs but no more than 5 pulls. NOTE: If engine has not started, pull starter rope 5 more pulls. If engine still does not run, it is probably flooded. 3. To stop the engine, move the throttle lever to the STOP position. Vacuum Blower STARTING A FLOODED ENGINE Flooded engines can be started by placing the choke lever in the RUN position. Move throttle lever to the fast position ; then, pull rope until engine starts. After engine starts, move the throttle lever to the slow position to allow engine to idle. Starting could require pulling the starter rope many times depending on how badly the unit is flooded. If unit still doesn't start, refer to the TROUBLESHOOTING TABLE or contact an authorized service dealer.

WARNING: When starting engine, hold the unit as illustrated. Do not set unit on any surface except a clean, hard area when starting engine or while engine is running. Debris such as gravel, sand, dust, grass, etc. could be picked up by the air intake and thrown out through the discharge opening, damaging the unit or property, or causing serious injury to bystanders or the operator. -- 7 -- MAINTENANCE Avoid touching muffler unless engine and muffler are cold. A hot muffler can cause serious burns. WARNING: WARNING: Disconnect the spark plug before performing maintenance except for carburetor adjustments.

CHECK FOR LOOSE FASTENERS AND PARTS S Spark Plug Boot S Air Filter S Housing Screws create a fire hazard or produce harmful evaporative emissions. 3. Wash the filter in soap and water.

4. Allow filter to dry. 5. Apply a few drops of oil to the filter; squeeze filter to distribute oil. 6. Replace parts. REPLACE SPARK PLUG Replace spark plug each year to ensure the engine starts easier and runs better. Set spark plug gap at 0.025 inch. Ignition timing is fixed, nonadjustable.

1. Twist, then pull off spark plug boot. 2. Remove spark plug from cylinder and discard. 3. Replace with Champion RCJ-6Y spark plug and tighten securely with a 19 mm socket wrench. 4. Reinstall the spark plug boot. CHECK FOR DAMAGED OR WORN PARTS Contact an authorized service dealer for replacement of damaged or worn parts. S Throttle Lever - Ensure throttle lever functions properly by moving the throttle lever to the STOP position.

Make sure engine stops; then restart engine and continue. S Fuel Tank. Discontinue use of unit if fuel tank is damaged or leaks. S Vacuum Bag - Discontinue use of vacuum bag if it is torn or damaged. REPLACE FUEL FILTER To replace fuel filter, drain unit by running it dry of fuel, then remove fuel cap/retainer assembly from tank.

Pull filter from tank and remove it from fuel line. Install new fuel filter on fuel line; reinstall parts. INSPECT AND CLEAN UNIT & LABELS S After each use, inspect complete unit for loose or damaged parts. Clean the unit and decals using a damp cloth with a mild detergent. S Wipe off unit with a clean dry cloth. Fuel Line CLEAN AIR FILTER Air Filter Cover Fuel Filter CHECK MUFFLER MOUNTING SCREWS Once each year, ensure muffler mounting screws are secure and tightened properly to prevent damage. Mounting Screw Holes Muffler Cover Air Filter Screws Screws Cleaning the air filter: A dirty air filter decreases engine performance and increases fuel consumption and harmful emissions. Always clean after every 5 hours of operation or yearly, whichever comes first. 1. Clean the cover and the area around it to keep debris from falling into the carburetor chamber when the cover is removed. 2. Remove parts as illustrated. NOTE: Do not clean filter in gasoline or other flammable solvent. Doing so can 1. Loosen and remove the 2 screws from the muffler cover.

2. Remove the muffler cover. 3. Tighten the 2 muffler mounting screws securely.



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4. Reinstall muffler cover and 2 screws. Tighten securely. -- 8 -- **INSPECT MUFFLER AND SPARK ARRESTING SCREEN** As the unit is used, carbon deposits build up on the muffler and spark arresting screen, and must be removed to avoid creating a fire hazard or affecting engine performance. **VIEW OF MUFFLER Spark arresting screen Exhaust Diverter** NOTE: Do not attempt to clean the spark arresting screen. 1.

Loosen and remove the 2 screws from the muffler cover. Remove the muffler cover. 3. Loosen and remove both screws from the exhaust diverter. 3.

Remove the exhaust diverter and spark arresting screen. 4. Install new spark arresting screen. 5. Reinstall exhaust diverter and both screws. Tighten screws securely. 6. Reinstall muffler cover and 2 screws. NOTE: If any part of the muffler is cracked, broken or damaged, we recommend that the muffler be replaced. **CARBURETOR ADJUSTMENTS** Screws There is no screw for idle adjustment on your blower. The throttle lever is used to control engine speed. The throttle lever can be placed in one of four positions: STOP, IDLE, FULL THROTTLE or, and one or intermittent position. If your engine will not run properly or you require further assistance, contact an authorized service dealer. Replace the spark arresting screen every 25 hours of operation or if any damage or breaks in the screen are noted. **STORAGE WARNING:** Prepare unit for storage at end of season or if it will not be used for 30 days or more.

S Allow engine to cool, and secure the unit before storing or transporting. S Store unit and fuel in a well ventilated area where fuel vapors cannot reach sparks or open flames from water heaters, electric motors or switches, furnaces, etc. S Store unit with all guards in place. Position unit so that any sharp object cannot accidentally cause injury. S Store unit and fuel well out of the reach of children. **INTERNAL ENGINE** S Remove spark plug and pour 1 teaspoon of 2-cycle engine oil (air cooled) through the spark plug opening. Slowly pull the starter rope 8 to 10 times to distribute oil. S Replace spark plug with new one of recommended type and heat range. S Clean air filter. S Check entire unit for loose screws, nuts, and bolts.

Replace any damaged, broken, or worn parts. S Start each season using only fresh fuel having the proper gasoline to oil ratio. **OTHER** S Do not store gasoline from one season to another. @@Store in a clean dry area. @@3.

Install new spark plug. 4. Check for dirty fuel filter; replace. Check for kinked or split fuel line; repair or replace. 5.

Contact an authorized service dealer. 1. Check for dirty fuel filter; replace. Check for kinked or split fuel line; repair or replace. 2. Contact an authorized service dealer. 3. Contact an authorized service dealer. 4. Contact an authorized service dealer.

1. Clean or replace air filter. 2. Check for dirty fuel filter; replace. Check for kinked or split fuel line; repair or replace. 3. Clean or replace spark plug; re-gap. 4. Replace screen. 5.

Contact an authorized service dealer. 6. Contact an authorized service dealer. 7. Contact an authorized service dealer.

1. Adjust choke. 2. Empty fuel tank and refill with correct fuel mixture. 3.

Clean or replace air filter. 4. Contact an authorized service dealer. @@3. Contact an authorized service dealer. 4. Contact an authorized service dealer. Engine will not 1. Engine flooded. 2.

Fuel tank empty. start. 3. Spark plug not firing. 4. Fuel not reaching carburetor. 5. Compression low. Engine will not 1. Fuel not reaching carburetor. idle properly. 2. Carburetor requires adjustment. 3. Crankshaft seals worn.

4. Compression low. Engine will not 1. Air filter dirty. 2.

Fuel not reaching carburetor. accelerate, lacks power, or dies under a 3. Spark plug fouled. load. 4. Spark arresting screen clogged. 5. Carburetor requires adjustment. 6. Carbon build up.

7. Compression low. 1. Choke partially on. Engine 2. Fuel mixture incorrect. smokes excessively. 3. Air filter dirty. 4.

Carburetor requires adjustment. 1. Fuel mixture incorrect. Engine 2. Spark plug incorrect.

runs hot. 3. Carburetor requires adjustment. @@: +1 903 223 4100, declare under sole responsibility that the McCulloch model BVM 250 leaf blower was assessed in accordance with Annex V of the DIRECTIVE and from serial numbers 2003-099N00001 and onwards, conforms to the provisions of the DIRECTIVE. The nominal air flow is 0,142 m³/s.

The measured sound power is 107 dB and the guaranteed sound power is 112 dB. Texarkana 03- -09 -04- Michael S. Bounds, Director Product Safety and Standards -- 10 -- **DECLARATION OF CONFORMITY** relating to 98/37/EC EC Declaration of Conformity (Directive 98/37/EC, Annex II, A) (Only applies to Europe) We, Electrolux Home Products, Inc, Texarkana, TX, 75501, USA, Tel: +1 903 223 4100, declare under sole responsibility that the McCulloch model

BVM 250 leaf blower from serial numbers 2003-099N00001 and onwards, follows the provisions of the DIRECTIVES: 98/37/EC (machinery) and 89/336/EEC (electromagnetic compatibility), including amendments and is in conformity with the following standards: EN 292- 2 and CISPR 12. SMP, The Swedish Machinery Testing Institute, Fyrisborgsgatan 3 S-754 50 Uppsala, Sweden, has carried out voluntary type approval. The certificate(s) are numbered: SEC/97/475. Texarkana 03- -09 -04 Michael S. Bounds, Director Safety and Standards **TECHNICAL DATA MODEL: BVM 250 ENGINE** Engine displacement Maximum Engine Power, according to ISO 8893 Rotational Speeds Idle Speed +/- 400 Maximum recommended output shaft speed Engine speed at maximum recommended output shaft speed MASS BLOWER VACUUM VOLUME Fuel tank SOUND PRESSURE LEVEL According to prEN 31806 BLOWER Idling:

Racing VACUUM Idling: Racing SOUND POWER LEVEL According to ISO/CD 10884 BLOWER: VACUUM: VIBRATIONS According to ISO 7916

BLOWER Idling: Racing: VACUUM Idling: Racing: YEAR OF CONSTRUCTION: MANUFACTURER'S ADDRESS: 2004 EOPI Italy Via Como 72 Valmadrera, Lecco ITALY I-23868 25 cm³ 0,71 kW 3700 rpm 8400 rpm 8400 rpm 4,8 kg 5,5 kg 360 cm³ 80,9 dB(A) 95,2 dB(A) 89,6 dB(A) 100,0 dB(A) 106 dB(A) 107 dB(A) Top 12,1 m/s² Top 16,0 m/s² Top 10,9 m/s² Top 16,6 m/s² -- 11 -- .



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