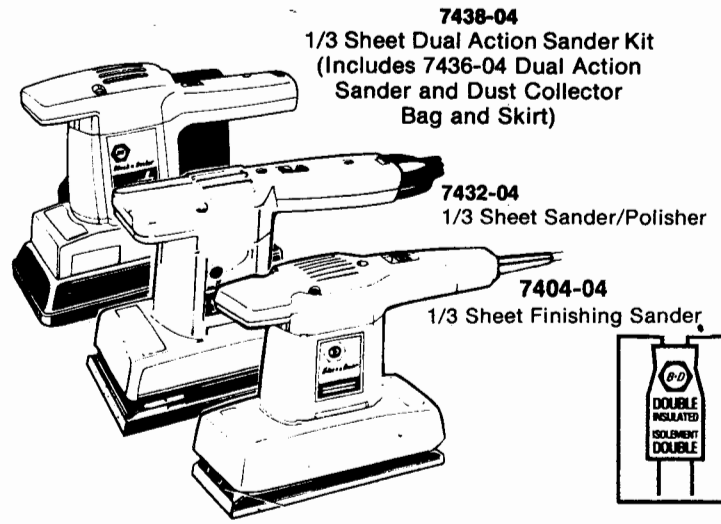




Black & Decker*

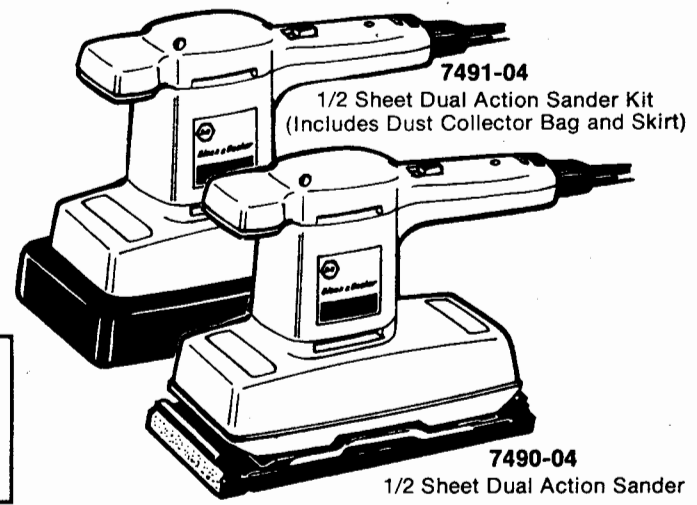
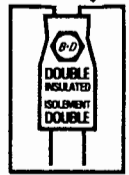
OWNER'S MANUAL



7438-04
1/3 Sheet Dual Action Sander Kit
(Includes 7436-04 Dual Action Sander and Dust Collector Bag and Skirt)

7432-04
1/3 Sheet Sander/Polisher

7404-04
1/3 Sheet Finishing Sander



7491-04
1/2 Sheet Dual Action Sander Kit
(Includes Dust Collector Bag and Skirt)

7490-04
1/2 Sheet Dual Action Sander

Your New Sander is a sturdy, lightweight tool that will produce professionally smooth finishes on wood, metal or plastic. It is designed for one or two handed control and will sand into corners and flush against three sides.

Your Sander is **double-insulated** for added protection against electric shock. This also eliminates the need for a 3-prong grounding plug.

For personal safety and for proper operation of the Sander, please take the time to carefully read all of the safety rules and instructions in this booklet. Don't forget to send in the owner registration card.

THANK YOU for buying Black & Decker!

*TRADEMARK OF THE BLACK & DECKER MANUFACTURING COMPANY. REGISTERED USER BLACK & DECKER CANADA INC., BROCKVILLE, ONTARIO. PRODUCT MADE IN CANADA

SAFETY RULES FOR POWER TOOLS

1. **Know your power tool**—Read owner's manual carefully. Learn its applications and limitations as well as the specific potential hazards peculiar to this tool.
2. **Keep guards in place** and in working order.
3. **Keep work area clean.** Cluttered areas and benches invite accidents.
4. **Avoid dangerous environment.** Don't expose power tools to rain. Don't use power tools in damp or wet locations. And keep work area well lit.
5. **Keep children away.** All visitors should be kept a safe distance from work area.
6. **Store idle tools.** When not in use, tools should be stored in dry, high or locked-up place—out of reach of children.
7. **Don't force tool.** It will do the job better and safer at the rate for which it was designed.
8. **Use right tool.** Don't force small tool or attachment to do the job of a heavy duty tool.
9. **Wear proper apparel.** No loose clothing or jewelry to get caught in moving parts. Rubber gloves and footwear are recommended when working outdoors.
10. **Use safety glasses** with most tools. Also face or dust mask if cutting operation is dusty.
11. **Don't abuse cord.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil and sharp edges.
12. **Secure work.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
13. **Don't overreach.** Keep proper footing and balance at all times.
14. **Maintain tools with care.** Keep tools sharp at all times, and clean for best and safest performance. Follow instructions for lubricating and changing accessories.
15. **Disconnect tools.** When not in use, before servicing, when changing accessories such as blades, bits, cutters, etc.
16. **Remove adjusting keys and wrenches.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.

17. **Avoid accidental starting.** Don't carry plugged-in tool with finger on switch. Be sure switch is off when plugging in.
18. **Outdoor use extension cords.** When tool is used outdoors, use only extension cords suitable to outdoors and so marked.
19. **Do not operate** portable electric tools in gaseous or explosive atmospheres. Motors in these tools normally spark, and the sparks might ignite fumes.

DOUBLE-INSULATION

Your tool is **double-insulated** to give you added safety. This means that it is constructed throughout with **two** separate layers of electrical insulation or one **double** thickness of insulation between you and the tool's electrical system.

Tools built with this insulation system are not intended to be grounded. As a result, your tool is equipped with a two-prong plug which permits you to use any conventional 120 volt electrical outlet without concern for maintaining a ground connection.

NOTE: **Double-insulation** does not take the place of normal safety precautions when operating this tool. The insulation system is for added protection against injury resulting from a possible electrical insulation failure within the tool.

CAUTION: When servicing Double-Insulated Tools, it is extremely important that **only identical replacement parts be used.**

MOTOR

Your Black & Decker tool is powered by a B & D-built motor. Be sure your power supply agrees with nameplate marking. 120 Volts 50/60 Hz means Alternating Current (normal 120 volt, 60 cycle house current). Voltage variations of more than 10% will cause loss of power and over-heating. All B & D tools are factory tested; if this tool does not operate, check the supply line for blown fuses; plug and receptacle for contact.

ATTACHING ABRASIVE PAPER, (Model 7404-04)

To take maximum advantage of the Sander's high removal rate and smooth finishing capability, it is essential that the abrasive paper be properly and tightly secured. Tight paper wears less and also lasts longer.

1. Unplug Sander.

2. Position Sander as shown in Figure 1. Insert screwdriver into slot and **firmly** push screwdriver down until paper clamp is opened about 1/8" (Figure 2). **It is neither necessary nor desirable to use the screwdriver like a lever—push it straight into the slot to wedge open the clamp. Then let go.**

3. Insert end of paper into paper clamp, about 1/2", until it stops (Figure 3). Align paper with its edge even and parallel with edge of platen (Figure 4).

4. Pull out screwdriver and clamp will hold paper.

5. Position Sander as in Figure 5 and again wedge the clamp open with screwdriver. Crease paper upward about 1/4" from its end. Tuck paper under clamp as far as it will go, pushing it in firmly with your thumbs (Figure 5). Now hold it in tightly with one hand and remove screwdriver with other hand. The abrasive paper is now clamped to platen and you are ready for sanding.

CAUTION! Keep fingers clear of paper clamp when removing screwdriver.

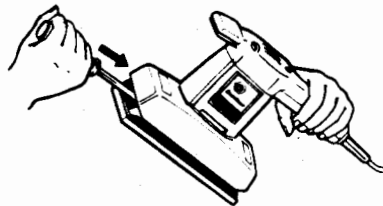


FIG. 1

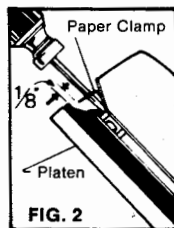


FIG. 2

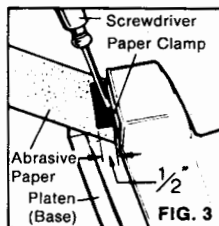


FIG. 3

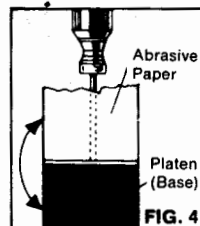


FIG. 4

CHANGING ABRASIVE PAPER

Unplug tool. With screwdriver inserted in the end of the platen, pull out the worn abrasive paper, and before removing the screwdriver, insert the fresh paper — Figure 6. Repeat at other end of platen.

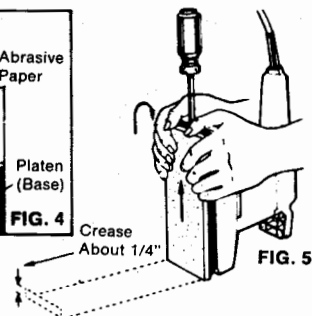


FIG. 5

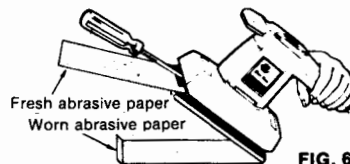


FIG. 6

(Models 7432-04, 7436-04, 7490-04, and 7491-04).

1. Unplug Sander and remove cord-set.

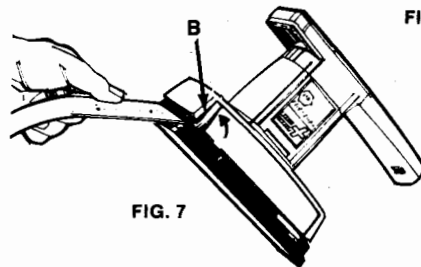


FIG. 7

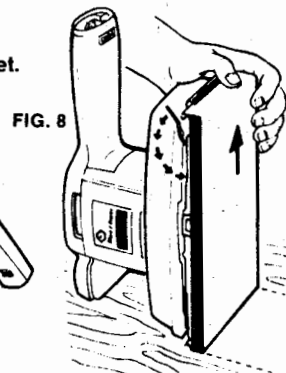


FIG. 8

2. Position Sander as shown in Figure 7. Open paper clamp by moving lever "B" in direction of arrow. Insert paper into clamp, aligning paper sides even and parallel with the sides of the platen. Return lever to original position to clamp the paper.

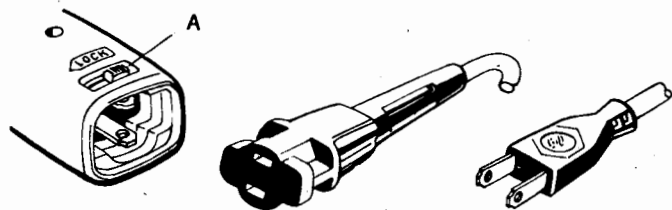
3. Turn Sander over to the position in Figure 8. Open clamp, insert end of paper and draw paper up snug and flat against the platen. Now close the clamp and you are ready for sanding.

4. To remove worn paper, open both clamps and withdraw paper. **CAUTION!** Be careful not to pinch fingers when closing clamps.

5. The polishing pad which is included with the 7432-04 sander/polisher may be attached by using the same procedure as used with the abrasive paper.

DETACHABLE CORD-SETS

(Models 7432-04, 7436-04, 7490-04 and 7491-04)



These Sanders are provided with a cord-set which attaches and detaches easily from the tool. This feature permits storing the tool on a shelf or on pegboard, without wrapping the cord around the tool. It permits cord-set repair or replacement without tool disassembly, and allows two or more detachable cord-set power tools to be used at one location with power supplied from the cord.

The cord-set supplied with your tool is 6 ft. long. (87337-99 Avail. Service only.)

Make sure that slide switch on top of tool is "off" before inserting cord. Cord-set fits into handle as shown above. Lock-buttons "A" must be moved in a clockwise direction (viewed as shown above) to allow cord-set to be inserted or removed. Pushing both buttons at the same time in the direction shown by the arrow stamped into the handle (counter-clockwise) locks the cord-set to the handle.

CAUTION

Before using any cord-sets, inspect them for loose or exposed wires and damaged insulation. Make any needed repairs or replacement before using your power tool.

EXTENSION CORDS

When using this tool at a considerable distance from a power source, an extension cord of adequate size must be used for safety, and to prevent loss of power and over-heating. For a 120 volt tool, the minimum size of the wires in any extension cord up to 75 feet long must be 18-gauge (American Wire Gauge). From 75 to 100 feet, 16-gauge wire is required throughout the extension. **Note:** 16-gauge wire is heavier than 18-gauge wire and will carry current for longer distances without a voltage drop.

RECOMMENDED EXTENSION CORDS

No. 93315 15 foot, 16 gauge, 3 wire

No. 93325 25 foot, 16 gauge, 3 wire

No. 93327 50 foot, 16 gauge, 3 wire

All extension cords feature tough vinyl insulation and are coloured orange for high visibility.

OPERATING YOUR SANDER (All Models)

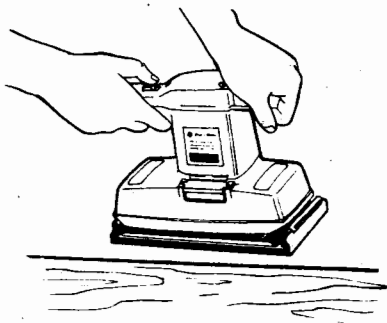
Be sure that the Switch is in the "off" position.

Wear safety glasses or other eye protection. Grasp both handles firmly and hold the Sander away from you and off of the work surface. Slide the switch forward with your thumb to turn "on". Gently place Sander on work surface and move it around freely without forced effort or unnecessary pressure. Light pressure actually produces a faster material removal rate than heavy pressure.

With orbital action sanding you can move the sander in any direction over the work surface. When sanding wood, you can move with the grain or at any angle across the grain. Sand only long enough to obtain a smooth finish as too much material may be removed by prolonged sanding.

On wood, the smoothest finish will be obtained by using progressively finer grit sandpaper and moving the sander **slowly**, in the direction of the grain.

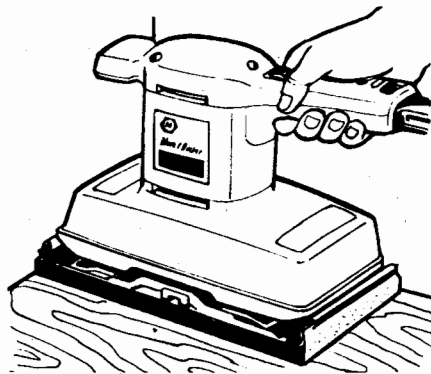
When sanding painted or other coated surfaces, periodically examine the abrasive paper to see if it has become clogged with



Two-handed operation

gummy material from the work surface. Replace paper when this occurs.

Your Sander is especially designed so that you can sand into corners. One-hand control can be used in open areas too.



Sanding in corners, one-handed control.

DUAL ACTION SANDERS

(Models 7436-04, 7490-04 and 7491-04)

With Dual Action Sanders the orbital position will give the fastest sanding. This position should be used for all but the final finishing on wood. The in-line position gives a sanding stroke which is forward and backward. It should be used with fine-grit abrasive paper and only light downward pressure. Move the Sander with the grain of the wood, not across the grain. In-line action will remove the small swirls and raised grain which may result from sanding with coarse paper in the orbital position.

A lever on the side of 7490-04 and 7491-04 can be moved laterally with a screwdriver to change the sanding action of the platen, Fig. 9A.

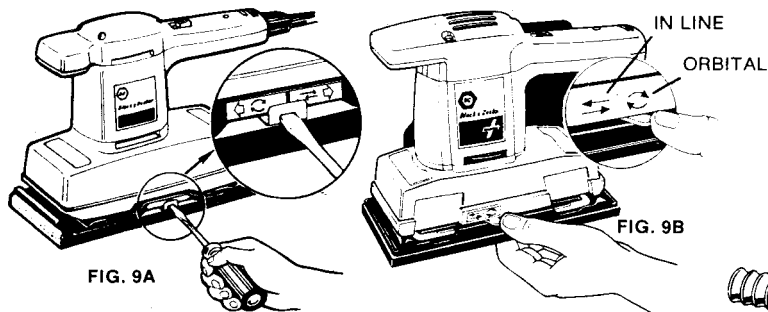


FIG. 9A

FIG. 9B

On the 7436-04, the lever can be moved with your thumb. When selecting orbital mode it may be necessary to press the platen side-ways slightly in order to ensure full engagement of the selection lever, Fig. 9B.

With the Sander resting flat on its platen, move the lever all the way back for straight line motion for the smoothest finishing sanding. **IMPORTANT!** Apply only enough forward or backward force with the screwdriver to move the lever. Excess force could damage the lever.

DUST COLLECTING ATTACHMENT (Models 7404-04 and 7432-04)

(No. 7404-04 & 7432-04 Sanders can be equipped for dustless sanding by purchasing No. 74-001 Dustless Sanding Attachment). **Note:** To be used with a tank or household vacuum cleaner.

1. **Unplug Sander** and attach the abrasive paper you are going to use.
2. Slide plastic skirt "A" Fig. 10 over power cord and down over sander until tabs at the top of skirt engage slots at bottom of motor housing. Hole in skirt must be at rear of sander.
3. Screw the included hose assembly (Figure 11) counter-clockwise into hole in skirt until snug.

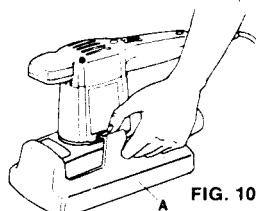


FIG. 10

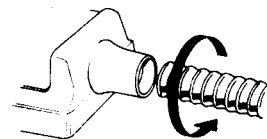


FIG. 11

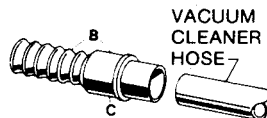


FIG. 12

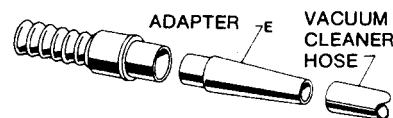


FIG. 13

4. Insert your vacuum cleaner hose into the end-piece "C" (Figure 12) of the hose assembly. Included adapter "E" (Figure 13) may be needed if your vacuum cleaner hose is a little larger or smaller than average.
5. Position your vacuum cleaner hose to the surface to be sanded so that strain on hose connections and skirt will be minimal.
6. With the vacuum cleaner running during sanding operations, you will notice a great decrease in the amount of dust clogging the abrasive paper and settling on other surfaces.
7. **To remove skirt, unplug sander**, push both tabs outward (Figure 10) to disengage them from motor housing slots, and lift skirt off of sander.

REPLACEMENT PARTS

Item	Part No.	Description
A	92124	Skirt
B	92202	Hose Assembly (Incls. C.)
C	45182-01	Hose End
E	45184	Adapter

DUST COLLECTING ATTACHMENT (Model 7491-04, 7436-04)

(7490-04 Sander can also be equipped for dust collecting by purchasing No. 74-000 dust collecting attachment.)

1. Unplug Sander
2. Attach skirt by grasping it as shown in Fig. 14 and pushing it down over the housing. Push down at sides, Fig. 15 ensuring that all skirt-tabs are hooked under the housing's lower edge.
3. For 7436-04 first attach the skirt by pushing it down over the housing until it stops. Push down at sides so that skirt snaps into grooves on both sides of housing. Ensure that skirt is positioned so that "Front" on inside of skirt is facing to front of sander, Fig. 16).
4. Fit the dust bag by pushing down the door on the side of the sander and sliding the bag inlet fitting into the door grooves, Fig. 17.
5. To remove and empty the bag, lift the bag out of the grooves and tap the bag opening against the side of your waste receptacle.

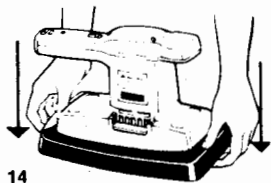


FIG. 14

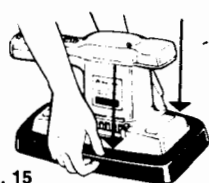


FIG. 15

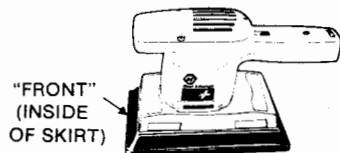


FIG. 16



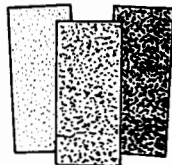
FIG. 17

Abrasive Paper and Polishing Pads. (All models)

For superior wood sanding results, use the following Electro-coated, aluminum oxide, open coat abrasive paper:

(Coarse grit provides fastest material removal; fine grit gives the smoothest finish.)

CAUTION: Use only 4 1/2" x 11" or 3 5/8" x 9" accessories as noted below with your sander. The use of any other type of accessory or attachment might be hazardous.



Models 7404-04; 7432-04; 7436-04	Models 7490-04; 7491-04
1/3 Sheet 3 5/8" x 9" Size	1/2 Sheet 4 1/2" x 11" Size

Cat. No. U1413 60-grit (coarse) Pkg. of 6.
Cat. No. U1414 100-grit (medium) Pkg. of 6
Cat. No. U1415 150-grit (fine) Pkg. of 6.
Cat. No. 974987 Assorted Sheets
25 Assorted 3-5/8" x 9" sand sheets
Cat. No. 74-405 Polishing Pad

Cat. No. U-1416 60-grit (coarse). Pkg. of 6.
Cat. No. U-1417 100-grit (medium). Pkg. of 6.
Cat. No. U-1418 150-grit (fine). Pkg. of 6
Cat. No. 74-406 Polishing Pad.

CLEANING & LUBRICATION

Use only a damp cloth to clean the tool. Many household cleaners contain chemicals which could seriously damage the plastic. Also, do not use gasoline, turpentine, lacquer or paint thinner, dry cleaning fluids or similar products. Never let any liquid get inside the tool; never immerse any part of the tool into a liquid.

Self lubricating bearings are used in the tool and periodic relubrication is not required. However, it is recommended that, once a year, you take or send the tool to a Black & Decker Service Centre for a thorough cleaning, inspection and lubrication of the gear case. Service Centre addresses are shown on the guarantee card packed with your tool.

IMPORTANT

To assure product SAFETY and RELIABILITY, repairs, maintenance and adjustment (including brush inspection and replacement) should be performed by Black & Decker Service Centres or other qualified service organizations, always using Black & Decker replacement parts. When servicing Double-Insulated Tools, it is extremely important that **only identical replacement parts be used** and that **reassembly of tool is identical to the original assembly.**

RAPID EXCHANGE HOME USE WARRANTY

Black & Decker warrants this product for one year against defect in material and workmanship in normal residential use. **This Warranty does not cover damage resulting from negligent handling, misuse or lack of reasonable care.** Please return the complete unit, transportation prepaid, to the seller for free replacement if the seller is a participating retailer in the Black & Decker Rapid Exchange Program. (Proof of purchase may be required by the seller). The unit may also be returned to a Black & Decker Centre or Authorized Service Station for free replacement or repair at our option. **This warranty does not apply to Accessories.**

In returning the tool for replacement, all original standard equipment must also be returned (for example, chuck, chuck key, auxiliary handles, circular saw blades). Expendable original equipment such as sanding sheets, belts and discs and jig saw blades need not be returned. For kits and assortments only the basic power tool will be replaced.

The sole remedy for breach of this warranty and the sole obligation of Black & Decker's option. Black & Decker shall have no liability whatsoever at any time for any personal injury or property damages or for any special, indirect or consequential damages of any kind howsoever arising.

This warranty is strictly limited to its terms and is in lieu of any kind and all other warranties and conditions, written or oral, whether express or implied.

NOTE: This warranty and related provisions set out above may not be applicable in certain provinces.

BLACK & DECKER SALES AND SERVICE CENTRES

HALIFAX, N.S.: 3695 Barrington St., Barrington Comm. Ctre., B3K 2Y3
QUEBEC, P.Q.: 969 Route de l'Église Ste-Foy, Quebec, G1V 3V4
MONTREAL, QUE.: 7865 St. Lawrence Blvd., H2R 1X1
LONGUEUIL, QUE.: 1562 Chemin de Chambly, J4J 3X5
LAVAL, QUE.: 1930 St. Martin Blvd., H7S 1M9
POINTE CLAIRE, QUE.: 3669 St. John's Rd., Blue Haven Shopping Ctre., H9G 1X2
OTTAWA, ONT.: 285 Richmond Road, K1Z 6X3
BROCKVILLE, ONT.: 100 Central Avenue, K6V 5W6
SCARBOROUGH, ONT.: 729 Kennedy Rd., M1K 2C6
DOWNSVIEW, ONT.: 592 Champagne Drive, M3J 2T9
TORONTO, ONT.: 1180 The Queensway, M8Z 1R5
HAMILTON, ONT.: 180 Parkdale Avenue N., L8H 5X2
KITCHENER, ONT.: 671 Belmont Ave. W., N2M 1N8
THUNDER BAY, ONT.: 1090 Memorial Ave., P7B 4A3
LONDON, ONT.: 920 Commissioners Rd. E., N5Z 3J1
SUDBURY, ONT.: 1496 Fairburn Avenue, P3A 1N7
WINNIPEG, MAN.: 934 St. James Street, R3H 0K3
REGINA, SASK.: 1359 Broad St., S4R 7V1
SASKATOON, SASK.: No. 4-1622 Ontario Avenue, S7K 1S8
CALGARY, ALTA.: 1003, 11th Avenue S.W., T2P 0G2
EDMONTON, ALTA.: 11440 Avenue 142nd Street, T5M 1V1
VANCOUVER, B.C.: 24 West Second Avenue, V5Y 1B5
NEW WESTMINSTER, B.C.: 301 Columbia Avenue, V3L 1A7

Black & Decker Canada, Inc., Brockville, Ontario